

Academic Work of Dr. Manoj Kumar Gupta

Name : Dr. MANOJ KUMAR GUPTA

Father's Name : Sh. J. P. Gupta

E-mail /Telephone Number : manoj_gupta280@yahoo.com
mkg201322@gmail.com,
93552-22278, 8708809709 (Mob)

Educational Qualification:

Examination	Institution	University/ Board	Year of Passing	% age	Division
Ph.D.	NIT Kurukshetra	NIT Kurukshetra (Deemed to be University)	April 2013	-	COMPLET -ED
M. Tech. (Regular) Machine-Design	NIT Kurukshetra	NIT Kurukshetra (Deemed to be University)	2004	72.2	Honours
B. Tech. (Mechanical)	REC Kurukshetra (Presently NIT Kurukshetra)	K.U.K.	1992	72.7	Honours
10+2	Gita Sr. Sec. School, Kurukshetra	H.B.S.E.	1988	84.3	Distinction
Matric	Gita Sr. Sec. School, Kurukshetra	H.B.S.E.	1986	85.0	Distinction

Academic Responsibilities:

Total Experience	:	28 years
Teaching Experience	:	20 years (2001-2024)
Industrial Experience	:	8 years (1992-2000)

- **Presently, working with National Institute of Technology, Kurukshetra as Assistant Professor Grade-I.**

Papers in International/National Journals:

- **‘Mathematical Model to Predict the Plume Behavior under Abnormal Conditions in Indian Context’**, International Journal of Grid and Distributed Computing, ISSN: 2348-2354, Vol. 13, No. 1, 2020, pp. 2348-2354.
- **‘Criteria for Fatigue Design of Steel Stacks: A Case Study’**, ‘Journal of Critical Reviews’, ISSN: 2394-5195, Vol. 7, 2020, pp. 3063-3072.
- **‘Dynamic & Vibration Analysis of Stack: A Case Study’** International Journal of Interdisciplinary Innovative Research & Development, ISSN 2456-236X, Vol. 05, Issue 01, 2020, pp. 429-432.
- **‘Analysis of Connecting Rod under Different Loading Condition Using ANSYS Software’** Design Engineering, ISSN 0011-9342, Vol. 2021, Issue 5, 2021, pp. 619-627.
- **‘Algorithm for Optimization of Design Parameters of Small Stacks’**, ‘International Journal of Management, Technology and Engineering’, ISSN 2249-7455, Vol. 9 (7), July 2019, pp. 933-943.
- **‘Latest Measures to Keep Chimneys in Step with plant Changes’** in ‘International Journal of Engineering Research & Technology’, ISSN 2278-0181, Vol. 3 (5), May 2014, pp. 333-336.
- **‘Fatigue Design of Smoke Stacks’** in ‘International Journal on Design and Manufacturing Technologies’, Chennai, ISSN 0973-9106, Vol. 8 (1), Jan 2014, pp. 21-26.
- **‘Design of Smoke Stacks’** in ‘Journal of The Institution of Engineers (India), Calcutta’, ISSN 0020-3408, Vol. 91 (2), July 2010, pp. 17-21.
- **‘Design of Vibration-Dampers for Steel Chimneys with Latest Features’** in ‘International Journal on Design and Manufacturing Technologies’, Chennai, ISSN 0973-9106, Vol.3 (2), July 2009, pp. 39-42. [Web of Science]
- **‘Long-Term Structural Integrity of Steel Stacks: Proposed Tools for Inspection & Maintenance’** in ‘International Journal of Mechanical Engineering’, N Delhi, ISSN 0974-5823, Vol. 3 (1), Jan-June 2010, pp 109-111.
- **‘Optimization of Design Parameters of Steel Chimneys’** in ‘International Journal on Design and Manufacturing Technologies’, Chennai, ISSN 0973-9106, Vol. 4 (2), July 2010, pp. 40-46.
- **‘Design of Steel Chimneys: A Review’** in ‘Journal of Multi-Disciplinary Engineering Technologies’, New Delhi, ISSN 0974-1771, Vol. 3 (1), July-Dec 2008, pp 10-16.
- **‘Design of Vibration-Dampers to Suppress Vibrations in Steel Stacks’** in ‘National Journal of Technology’, Coimbatore, ISSN 0973-1334, Vol. 5 (2), June 2009, pp 68-73.

- **‘Inspection and Maintenance of Stacks: Proposed Guidelines’** in ‘SOCH-Mastnath Journal of Science & Technology’, Asthal Bohar, Vol. 4, Dec 2009, pp. 61-64.
- **‘Dispersion Analysis of Plume from Stacks’** in ‘Journal of Multi-Disciplinary Engineering Technologies’, New Delhi, ISSN 0974-1771, Vol. 4 (1), July-Dec 2009, pp. 11-18.
- Dr. Gupta M K, Dr. Karthik, **‘Changing Employee Engagement Practices in Global and Indian Companies: A Technique to Reduce Employee Turnover’**, JMSU Baroda, ISSN: 0025-0422, Vol. 55, No. 1 (VI), 2021, pp. 1477-1492.
- Dr. Gupta M K, Dr. Kannan P, **‘A Critical Review of the Literature on Analyzing the Role of Electronic Customer Relationship Management’**, JMSU Baroda, ISSN: 0025-0422, Vol. 55, No. 1 (VI), 2021, pp. 1462-1476.

Papers in International/National Conferences:

- **‘Criteria for Fatigue Design of Steel Stacks: A Case Study’** in 2nd International Conference online on Contemporary Advances in Mechanical Engineering at Chandigarh Engineering College, Mohali, ICCAME-2020, during July 27-28, 2020.
- **‘E-Commerce, Trade and the COVID-19 Pandemic’** in ‘International E-conference on Covid-19 Pandemic: Issues, Challenges and Opportunities for International Trade, E-commerce and Employment’ Aurangabad on May 29, 2020.
- **‘Dynamic & Vibration Analysis of Stack: A Case Study’** in 4th International Conference (Online) on Recent Trends Research in Engineering & Science, Malikpur (ICRTRES-20) during May 2-3, 2020.
- **‘Algorithm for Optimization of Design Parameters of Steel Stacks’** in International Conference at Chandigarh Engineering College, Mohali ICCAME-2019 during July 25-26, 2019.
- **‘Changing Paradigm of Copyright, Patent and other IPR Issues in India’** in ‘National Conference on Changing Paradigm of Copyright, Patent and other IPR Issues in India’ at MM (DU), Mullana on April 25-26, 2020.
- **‘Current Developments to Keep Chimneys in Line with Operational Changes’** in ‘International Conference on Newest Drifts in Mechanical Engineering’ at MM(DU) Mullana (Ambala) during December 20-21, 2014.
- **‘Latest Trends in Fuel Cell Based Vehicles’** in ‘National Conference on Applications of Mechanical Engineering for 21st Century’ at Appejay College of Engineering, Sohna on March 29, 2008.
- **‘Need of Vibration-Dampers for Steel Stacks’** in 2nd National Conference on ‘Advances in Manufacturing Technology’ at National Institute of Technical Teachers’ Training and Research, Chandigarh during March 06-07, 2008.
- **‘Vibration-Dampers for Smoke Stacks’** in 3rd International Conference on ‘Applied & Theoretical Mechanics’ ‘MECHANICS ‘07’ at Tenerife, Spain during Dec 14-16, 2007. [SCOPUS INDEXED]
- **‘Design of Smoke Stacks’** in ‘Global Conference on Production & Industrial Engineering’ ‘CPIE 2007’ at National Institute of Technology, Jalandhar during March 23-24, 2007
- **‘Development and Design of Smoke Stacks’** in National Conference on ‘Trends and Advances in Mechanical Engineering’ ‘TAME 2006’ at YMCA Institute of Engineering, Faridabad during December 9-10, 2006.

Book Chapter:

- **‘Laser Ablation Synthesis for the Production of Silver Nanoparticles’** in Trends in Applied Sciences and Computing Engineering by Association of Global Academicians and Researchers Publications, 2021, pp. 748-832.

Short Term Courses/FDP Attended:

STCs attended (02 weeks or more):

- STC on **‘Aalekh 2.0 – The Article Writing Certificate Course’** by Think India from Jan-06 to Feb 10, 2021.
- STC on **‘Induction Training Programme for Newly Recruited Teachers’** by NITTTR Chandigarh from Jan 18-29, 2021.
- STC on **‘Refresher Course in Mechanical Engineering’** by NITTTR Chandigarh from Aug 10-21, 2020.
- Short Term Course on **‘Entrepreneurial Awareness’** at NIT Kurukshetra from June 25, 2007 to July 04, 2007.
- Short Term Course on **‘Modeling & Simulation’** by BBSBEC Fatehgarh Sahib from July 15-26, 2002.
- Program on **‘Entrepreneurship Development Program’** by RCED, Chandigarh on behalf of SIDBI, Chandigarh from Dec 27, 2000 to Feb 09, 2001.
- Training Program on **‘Diesel Power Plants’** at Mumbai by WNSIN from Oct 5-14, 1999.
- Program on **‘Using MS-Office’** at JSL Hisar by NIIT, N Delhi from May 27 to June 16, 1998.

STCs attended (01 week):

- STC on **‘3 D Printing & Design’** by DCRUST Murthal from Nov 22-26, 2021.
- STC on **‘Accreditation for Quality Assurance (NBA and NAAC Guidelines)’** by NITTTR Chandigarh from July 12-16, 2021.
- STC on **‘4 D Printing’** by NITTTR Chandigarh from June 28 to July 03, 2021.
- ATAL FDP on **‘Fuel Cell Technology, FCT-2021’** by NIT Rourkela from June 21-25, 2021.
- STC on **‘AUTOCAD, ICT-68’** by NITTTR Chandigarh from June 14-18, 2021.
- STC on **‘Green Energy Sources and Clean Technologies, ICT-52’** by NITTTR Chandigarh from June 7-11, 2021.
- STC on **‘Effective Teaching Learning using Social Media, ICTO-49’** by NITTTR Chandigarh from May 31 to June 04, 2021.
- STC on **‘NBA Accreditation and Examination Reforms’** by NITTTR Chandigarh from May 17-21, 2021.
- STC on **‘Hybrid Machining, ICT-50’** by NITTTR Chandigarh from May 10-14, 2021.
- STC on **‘CAD/CAM’** by NITTTR Chandigarh from March 15-19, 2021.
- STC on **‘Advanced AUTO CAD’** by NITTTR Chandigarh from March 08-12, 2021.
- STC on **‘Free and open Source Software (FOSS) Tools for Effective Teaching-Learning’** by NITTTR Chandigarh from Feb 15-19, 2021.
- STTP on **‘Climate Change & Water Security’** by MRSPTU Bhatinda from Feb 01-06, 2021.

- STC on **‘Managing Your Ego and Emotions at Workplace’** by NITTTR Chandigarh from Jan 11-15, 2021.
- STC on **‘Employability Skills for Industry 4.0’** by NITTTR Chandigarh from Jan 04-08, 2021.
- STTP on **‘ROTOR DYNAMICS-Series 3’** by Ambedkar Institute of Technology, Bengaluru from Dec 28, 2020 to Jan 02, 2021.
- STTP on **‘ROTOR DYNAMICS-Series 2 of 3’** by Ambedkar Institute of Technology, Bengaluru from Dec 14-19, 2020.
- STTP on **‘ROTOR DYNAMICS-Series 1 of 3’** by Ambedkar Institute of Technology, Bengaluru from Dec 07-12, 2020.
- ATAL FDP on **‘3D Printing & Design’** by NIT Patna from Dec 07-11, 2020.
- STTP on **‘Recent Advances in Tribology and Surface Engineering’ Series 4 of 4-Surface Characterization and Treatments in Tribology** by Saintgits College of Engineering, Kottayam from Nov 23-28, 2020.
- STC on **‘Computational Methods and Analysis for Engineers’** by NIT Jalandhar from Nov 18-22, 2020.
- STC on **‘Advances in Chemical, Biochemical and Allied Industries’** by NIT Jalandhar from Nov 05-09, 2020.
- STC on **‘Effective Teaching learning using Social Media’** by NITTTR Chandigarh from Nov 02-06, 2020.
- STC on **‘Computational Methods in Engineering Science’** by NIT Jalandhar from Oct 24-28, 2020.
- STTP on **‘Recent Advances in Tribology and Surface Engineering’ Series 3 of 4-Introduction to Special Topics like Nano Tribology, Bio Tribology, Space Tribology and Tribology in Industry** by Saintgits College of Engineering, Kottayam from Oct 12-17, 2020.
- STC on **‘Gender Equality and Violence against Women during COVID-19’** by NIT Jalandhar from Oct 09-13, 2020.
- STC on **‘Preparing Students for Job Interviews’** by NITTTR Chandigarh from Oct 05-09, 2020.
- STC on **‘How to Start a Business Start-up’** by NITTTR Chandigarh from Sep 21-25, 2020.
- STTP on **‘Recent Advances in Tribology and Surface Engineering’ Series 2 of 4-Tribology of Machine Components and Applied Tribology** by Saintgits College of Engineering, Kottayam from Sep 14-19, 2020.
- STC on **‘Intellectual Property Rights’** by NIT Jalandhar from Sep 07-11, 2020.
- FDP on **‘Interdisciplinary Research: Need and Relevance in Science and Technology’** by RKDF University, Bhopal from Sep 01-05, 2020.
- TP on **‘Developing Research and Development Culture in Industry Institute Interaction Oriented Modern Teaching Learning and Project Based Learning’** by Francis Xavier Engineering College from Aug 24-29, 2020.
- STC on **‘Applications of AUTOCAD for Engineers’** by NITTTR Chandigarh from Aug 17-21, 2020.
- FDP on **‘DEEKSHARAMBH’** by NIT Patna from Aug 10-14, 2020.
- STC on **‘Cryogenics and Composites: Theory and Applications (CCTA-2020)’** by NIT Jalandhar from Aug 3-7, 2020.

- Webinar on ‘**Atamnirbhar Bharat: Transmutation from Parivartan to Exuberance**’ by NITTTR Chandigarh from July 27-31, 2020.
- Workshop on ‘**Practical Learning through Virtual Lab**’ by NPIU & Avadh University, UP from July 20-24, 2020.
- STC on ‘**Engineering Optimization**’ by NITTTR Chandigarh from July 13-17, 2020.
- STC on ‘**Hybrid Manufacturing Processes: Opportunities and Challenges**’ by NIT Jalandhar from July 6-10, 2020.
- STC on ‘**Technological Evolution and Implementation of Modern Tools in Automotive Engineering**’ by UPES Dehradun from June 26-30, 2020.
- STC on ‘**Employability Skills for Industry 4.0**’ by NITTTR Chandigarh June 22-26, 2020
- STC on ‘**Entrepreneurship and Start-Up Policies 2017**’ by NITTTR Chandigarh June 15-19, 2020.
- STC on ‘**Understanding Project Management Basics**’ by NITTTR Chandigarh June 8-12, 2020.
- STC on ‘**NAAC Revised Framework**’ from June 1-8, 2020.
- STC on ‘**Computer Integrated Manufacturing/Computer Numerical Control**’ by NITTTR Chandigarh from May 25-29, 2020.
- STC on ‘**Role of Teachers and Educational Institutes in Unnat Bharat Abhiyan**’ by NITTTR Chandigarh from May 18-22, 2020.
- STC on ‘**Research Oriented Project Work**’ by NITTTR Chandigarh from May 11-15, 2020.
- STC on ‘**Strategic Planning for Entrepreneurship Promotion**’ by NITTTR Chandigarh May 4-8, 2020.
- STC on ‘**Nanomaterials and Devices**’ by NITTTR Chandigarh from April 27 to May 01, 2020.
- STC on ‘**Curriculum Implementation**’ by NITTTR Chandigarh from April 20-24, 2020.
- STC on ‘**Internet of Things**’ by NITTTR Chandigarh from April 10-14, 2020.
- FDP on ‘**Outcome Base Education & NBA Accreditation**’ by NITTTR, Chandigarh at KUK from Nov 4-8, 2019.
- ICT based STC on ‘**Intellectual Property Rights**’ by NITTTR Chandigarh at JMIT Radaur from June 10-14, 2019.
- Short Term Course on ‘**Advanced and Micro-manufacturing**’ at PEC University of Technology, Chandigarh under FDP of TEQIP-II (MHRD) from June 02-06, 2014.
- Short Term Course on ‘**I C Engines through ICT**’ by NITTTR Chandigarh at MM(DU) Mullana from May 27-31, 2013.
- Training Program on ‘**Solid- Works (High End CAD Software)**’ at NIT Kurukshetra from March 10-15, 2003.

Webinar/Workshop attended:

- International Web-Workshop on ‘**Dynamics of Gender Justice and Violence against Women: Issues, Challenges and Remedies**’ by Bankura University, West Bengal from Oct 03-05, 2020.
- National Symposium on ‘**Roadmap for Implementation of New Education Policy, 2020: Rhetoric to Practice**’ by CCE Mohali on Oct 03, 2020.

- Webinar on ‘**Contracts & Tendering**’ by SJC Institute of Technology, Karnataka on Sep 30, 2020.
- Webinar on ‘**Challenges in Pile Load Testing**’ by NIT Jalandhar on Sep 24, 2020.
- National Research Program ‘**Make a Research Paper**’ by Mattershere from Sep 06-08, 2020.
- Webinar on ‘**Why a Manuscript is Rejected**’ by NIT Jalandhar on Aug 27, 2020.
- Webinar on ‘**Innovations in Product Design and Sustainable Manufacturing-IPDSM 2020**’ by Government Engineering College, Odisha on Aug 05, 2020.
- Workshop on ‘**AUTOCAD 2021 & Job-Business Opportunities for Engineering Graduates**’ by Rajiv Gandhi College of Engineering & Technology, Puducherry from June 18-19, 2020.
- Webinar on ‘**Self Reliant India: Opportunities Post Covid-19**’ by IIT Roorkee on June 13, 2020.
- Webinar on ‘**Mendeley for Researchers: Bibliography and Networking**’ by KPR Institute of Technology, Coimbatore on June 13, 2020.
- FDP on ‘**Machine Learning with Matlab**’ by Skill to Hire.
- Webinar on ‘**Sponsored Research Projects (Opportunities, Procedures & best Practices)**’ by Engineering Staff College of India, Hyderabad on June 07, 2020.
- FDP on ‘**Website & Application Development**’ by Progressio Alas on June 3, 2020.
- Webinar on ‘**Smart Manufacturing**’ by Shri G S Institute of Technology & Science, Indore on June 1, 2020.
- Webinar on ‘**Advances in Biomass Energy Technology**’ by on Poornima College of Engineering, Jaipur on May 30, 2020.
- Webinar on ‘**Virtual Labs**’ by IIMT Greater Noida on May 29, 2020.
- Webinar on ‘**Introduction to Robotics**’ by Progressio Alas on May 27, 2020.
- Webinar on ‘**Group Discussion**’ by Progressio Alas on May 24, 2020.
- Webinar on ‘**3 D Printing Technologies: Challenges**’ by Sreenidhi Institute of Science & Technology, Hyderabad on May 20, 2020.
- Workshop on ‘**Fundamentals of Heat Transfer and Fluid Mechanics**’ by Chennai Institute of Technology, Chennai May 20, 2020.
- Webinar on ‘**How to Write Each Section of Your Paper**’ by Matterhere on May 17, 2020.
- Workshop on ‘**Research Scopes in Mechanical Engineering**’ by Chennai Institute of Technology, Chennai on May 7, 2020.
- Webinar on ‘**Fine Tuning Research Planning using Elsevier Tools: Science Direct, Scopus and Mendeley**’ on April 24, 2020.
- Webinar on ‘**How can Technology ensure Continuity in Examinations & Learning**’ by Mettl Team on April 09, 2020.
- Workshop on ‘**NPTEL**’ by IIT Roorkee & SWAYAM at CGC Landran on Feb 14, 2020.
- Session to ‘**Support Start Ups**’ by CGC Landran on Jan 10, 2020.
- National Seminar on ‘**Unnat Bharat Abhiyan: Prospects & Challenges**’ by NITTTR Chandigarh in collaboration with IIT Delhi & AICTE on Nov 28-29, 2019.
- Workshop on ‘**Solid Works**’ by DUCAT, Noida at JMIT Radaur on Aug 29, 2020.
- Workshop on ‘**Capacity Building on NBA Accreditation**’ by NWRO AICTE, Chandigarh at Chandigarh College of Architecture from July 8-9, 2019.
- Workshop on ‘**Examination Reforms**’ at DCRUST Murthal by AICTE NWRO Chandigarh on May 25, 2019.

- FDP for ‘**Student Induction Program**’ at UIET, Kurukshetra organized by AICTE, NWRO Chandigarh from July 14-16, 2018.
- National Conference ‘**Changing Paradigm of Copyright, Patent and Other IPR Issues in India**’ at MMU Mullana on April 25-26, 2020.
- Workshop on ‘**Personality and Professional Skills Enhancement**’ by MMU Mullana on Jan 24, 2014.
- National Workshop on ‘**Predictive Mathematical Models in Science and Engineering**’ at NIT Kurukshetra from May 24-25, 2013.
- National Symposium on ‘**Emerging Trends in Mechatronics**’ at NIT Kurukshetra from Dec 27-28, 2007.
- Training Program on ‘**Quality Assurance in Technical Education**’ by NITTTR Chandigarh from May 27-29, 2004.
- Workshop on ‘**Entrepreneurial Opportunities in Haryana**’ by EDC, REC Kurukshetra and CST Haryana on Nov 13, 1991.

PATENTS:

- Patent filed & published on ‘**Design and Implementation of Home Automation using Voice Recognition and IOT Communication**’.
- Patent filed & published on ‘**A Wearable Jacket for Managing Social Distancing using Block Chain Technology**’.

Projects & Consultancy:

- ‘Centre of Excellence of Air-Conditioning’ (DAIKIN-MAKE) during 2018-19.
- Modification and Refurbishment of 4-Cylinder Diesel Engine from 2018-19.
- Well acquainted with ‘AICTE MODROB’ work. Handled MODROB project.
- Projects related to subject of Entrepreneurship B Tech (7th & 8th semester) during 2016-18.
- Internship Projects of B Tech (6th semester) during 2022-23 at NIT Kurukshetra.
- Projects of B Tech (7th & 8th semester).
- Waste Heat Recovery Boilers Project for 20 MW Diesel Power Plant Project during 1995-97.
- Design & Engineering for Fuel Storage Tanks (2x2500 KL), Chimney and Piping for Diesel Power Plant Project done in house during 1995-97.

Membership of Professional Bodies:

- The Indian Society of Technical Education, N Delhi, LM since 2004
- The Institution of Engineers (India), Kolkata, LM since 2014
- The Tribology Society of India, N Delhi, LM since 2023
- The System Society of India, N Delhi, LM since 2023
- The Fluid Power Society of India, Bangalore, AM 2013-15.

Awards Conferred:

- Top 50 Eminent Teachers of the Year 2023 by International Institute of Organized Research (Registered MSME with Ministry of Micro, Small and Medium Enterprises, GOI).

- National Academic Excellence Award 2023 by International Institute of Organized Research (Registered MSME with Ministry of Micro, Small and Medium Enterprises, GOI).

M Tech/Ph D:

- Guiding various M Tech dissertations.

Equipment/Processes Handled during Industrial Experience (1992-2000):

- 4-Stroke C.I. RFO based Diesel Power Plant (40 MW; Make: MAN-Germany, Wartsila-Finland & SKODA), Waste Heat Recovery Boilers, Turbocharger, Heat Exchangers (Plate & Tube), Furnace Oil & Lubricating Oil Separators, Air Compressors (Reciprocating, Screw & Centrifugal), Pumps (Centrifugal, Screw, Reciprocating & Gear), Humidification Plants, Cooling Towers, Water Softening Plant and Effluent Treatment Plant etc.
- Installation & Commissioning of 40 MW Diesel Power Plant including Accessories & Instrumentation (Make: MAN-Germany, Wartsila-Finland) from the beginning of Civil work.
- Continuous Casting, Hot Rolling, Cold Rolling, Steel Plant Finishing Operations as pickling, grinding, Steel Finishing Operations (Slitting, Straightening & Sheering) etc.
- Lapping, Honing, Wire Drawing, TIG Welding, Electric Arc Welding, Gas Welding, Welding Tests etc.
- Lubricating Oil/Furnace Oil Testing, Water Testing, Ultrasonic Testing, Magnetic Particle Testing.

Industries/Plants Visited:

- **Cheema Boilers Ltd., Mohali**-manufacturers of pressure vessels, boilers
- **Central Scientific Instruments Organization, Chandigarh**-manufacturers of Agrionics, Medical Instrumentation, Optics & Instrumentation.
- **Jindal Steel & Power Ltd., Raigarh (Chhattisgarh) & Liluah (Kolkata)**-manufacturers of Sponge Iron, Mild Steel, TMT Bars, Wire Rods, Rail Lines etc.
- **Jindal Stainless Ltd., Vishakhapatnam (AP)**-manufacturers of Ferro-Chrome
- **Bharat Heavy Electricals Ltd., Trichy (TN)**-manufacturers of seamless pipes & boilers
- **DLF Power Ltd., Faridabad**-manufacturers of Steam & Gas Turbines
- **Wartsila Diesel India Ltd., Khopoli (Mumbai)**-manufacturers of Diesel Power Plants
- **HMT, Pinjore**
- **Jindal Industries Ltd., Hisar**-manufacturers of ERW pipes
- **Panipat Thermal Power Station, Panipat**-Thermal Power Plant
- **National Fertilizers Ltd., Panipat**-manufacturers of Fertilizers
- **Deenbandhu Chhotu Ram Thermal Power Station, Yamunanagar**

Other Responsibilities during Industrial Experience:

- Worked in placement of Purchase Order of ‘**Diesel Power Plant (32 MW)**’ to M/S MAN, Germany & M/S Wartsila Diesel, Finland during 1995-98.

- Worked with '**Engineers from Germany & Finland**' in Installation & Commissioning of 40 MW Diesel Power Plants during 1995-98.