DEEPAM GOYAL

D.O.B.: 13/04/1991
GH - 54, Flat No. 602, Sector-20, Panchkula (Haryana) - 134116
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EDUCATIONAL QUALIFICATION (GRADUATION AND ABOVE)

NAME OF DEGREE	YEAR OF PASSING	NAME OF THE INSTITUTE/UNIVERSITY	% OF MARKS / CGPA
Ph.D. (MECHANICAL)	2019	PANJAB UNIVERSITY, CHANDIGARH	**Completed**
M.E. (MECHANICAL)	2015	PANJAB UNIVERSITY, CHANDIGARH / NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH, CHANDIGARH	**9.12 (Gold Medalist)**
B.E. (MECHANICAL)	2012	PANJAB UNIVERSITY, CHANDIGARH /UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY	**70.91%**

EDUCATIONAL QUALIFICATION (10TH, 12TH AND/OR DIPLOMA)

EXAMINATION PASSED	YEAR OF PASSING	BOARD		MAX. MARKS	MARKS OBTAINED	% OF MARKS / CGPA
Class XII	2008	CBSE		500	399	79.81%
Class X	2006	CBSE		500	434	86.80%

AREA(S) OF INTEREST/SPECIALISATION

Machine Design; Vibration dynamics; Condition monitoring and machine fault diagnosis; Manufacturing Technology; Machine learning; Optimization

WORK EXPERIENCE

NAME OF THE ORGANISATION	DEPARTMENT	POSITION HELD	DURATION	FROM DD/MM/YYYY	TO DD/MM/YYYY
Chitkara University, Punjab	Mechanical Engineering	Assistant Professor		11.02.2020	Pursuing
HM STEELS LIMITED	PRODUCTION	Engineer Trainee	1Y 24 D	16.06.2012	10.07.2013

BANSAL CLASSES	MATHEMATICS	Teacher (Part-Time Faculty)	1.5 YEARS	18.07.2013	31.12.2014

RESEARCH OR ANY OTHER EXPERIENCE

Position/ Designation	Name of Institution/ Industry/Research Lab	From	To Till date	Total		Grade Pay, Pay Level, Basic Pay
				Years	Months	
JRF (INSPIRE Fellow)	DST, GoI/ NITTTR Chandigarh	27.08.2015	09.01.2019	3	4 M 13 D	35,960
SRF (INSPIRE Fellow)	DST, GoI/ NITTTR Chandigarh	10.01.2019	27.11.2019	0	10 M 17 D	40,600

TRAINING / PROJECTS UNDERTAKEN

NAME OF THE ORGANISATION/ INSTITUTION	TITLE OF THE PROJECT/STUDY	DURATION
H.M. STEELS LTD.	Analysis on Manufacturing of Steel & Steel Products	12.01.2012 – 25.05.2012
H.M. STEELS LTD.	A General Overview on Production of Steel & Steel products	02.06.2011 – 06.07.2011
AVTAR TOOLS COMPANY	Study Based on Performing Various Machining Processes	21.05.2010 – 01.07.2010
UIET PU CHANDIGARH	Minor Project On "Heavy Machinery Optimum Spanner"	02.07.2011 – 06.07.2011

PUBLICATIONS

Patents and Copyrights

[1] D. Goyal and B. S. Pabla, "Real time non-contact vibration measuring system for structural health monitoring," 3567/DEL/2015A, 2016 [Published]

[2] K. Lachhwani and D. Goyal, "MATLAB program for solving Multi-level Linear Fractional programming problems," IN Patent SW-11904/2018, 2018.

[3] J.K. Sandhu, P. Srivastava and D. Goyal, "Health monitoring and sanitizing system for non-human entity" [Filed]

[4] P. Srivastava, J.K. Sandhu, L. Sapra and D. Goyal, "Disinfecting and cooling device" [Filed]

[5] J.K. Sandhu, P. Srivastava, L. Sapra and D. Goyal, "Health monitoring system and device" [Filed]

[6] D. Goyal, P. Srivastava, J.K. Sandhu and L. Sapra, "Device for cleaning, sanitizing and drying objects" [Filed]

[7]   P. Srivastava, J.K. Sandhu, M. Pundir, D. Goyal, and A.K. Bedyal, "System and method for monitoring a computing device" [Filed]

Books

[1]   N. Goyal and D. Goyal, *Information System Analysis and Design*. Kalyani Publishers, 2016.

Journals

[1]   A. Choudhary, D. Goyal, Shimi, S.L. "Infrared Thermography based fault diagnosis of induction motor bearings using machine learning methods," *IEEE Sensors Journal*, Aug. 2020, 10.1109/JSEN.2020.3015868

[2]   D. Goyal, S. S. Dhami, and B.S. Pabla, "Non-contact fault diagnosis of bearings in machine learning environment," *IEEE Sensors Journal*, vol. 20, no. 9, pp. 4816–4823, 2020, doi: 10.1109/JSEN.2020.2964633.

[3]   D. Goyal, S. S. Dhami, and B. S. Pabla, "Vibration Response Based Intelligent Non-Contact Fault Diagnosis of Bearings," J. Nondestructive Evaluation Diagnostics Prognostics Engineering Systems, pp. 1–17, Dec. 2020, doi: 10.1115/1.4049371.

[4]   A. Choudhary, D. Goyal, and S. S. Letha, "Infrared Thermography based Fault Diagnosis of Induction Motor Bearings using Machine Learning," IEEE Sens. J., pp. 1–1, Aug. 2020, doi: 10.1109/jsen.2020.3015868.

[5]   A. Sharma, L. Mathew, S. Chatterji, and D. Goyal, "Artificial intelligence based fault diagnosis for condition monitoring of electric motors," *International Journal of Pattern Recognition and Artificial Intelligence*, 2020, doi: https://doi.org/10.1142/S0218001420590430.

[6]   K. Kumar, D. Goyal, and S. S. Banwait, "Effect of Key Parameters on Fretting Behaviour of Wire Rope: A Review," *Archives of Computational Methods in Engineering*, vol. 27, no. 2, pp. 549–561, 2020, doi: 10.1007/s11831-019-09326-y.

[7]   D. Goyal, A. Choudhary, B. Pabla, and S. S. Dhami, "Support vector machines based non-contact fault diagnosis system for bearings," *Journal of Intelligent Manufacturing*, vol. 31, pp. 1275-1289, 2019.

[8]   A. Choudhary, D. Goyal, S. L. Shimi, and A. Akula, "Condition monitoring and fault diagnosis of induction motors: A review," *Archives of Computational Methods in Engineering*, vol. 26, no. 4, pp. 1221–1238, 2019.

[9]   D. Goyal, Vanraj, B. S. Pabla, and S. S. Dhami, "Non-contact sensor placement strategy for condition monitoring of rotating machine-elements," *Engineering Science and Technology, an International Journal*, vol. 22, no. 2, pp. 489–501, 2019, doi: 10.1016/j.jestch.2018.12.006.

[10] D. K. Patel, D. Goyal, and B. S. Pabla, "Optimization of parameters in cylindrical and surface grinding for improved surface finish," *Royal Society Open Science*, vol. 5, no. 5, 2018, doi: 10.1098/rsos.171906.

[11] D. Goyal, Vanraj, B. S. Pabla, and S. S. Dhami, "Condition Monitoring Parameters for Fault Diagnosis of Fixed Axis Gearbox: A Review," *Archives of Computational Methods in Engineering*, vol. 24, no. 3, pp. 543–556, 2017, doi: 10.1007/s11831-016-9176-1.

[12] D. Goyal and B. S. Pabla, "The Vibration Monitoring Methods and Signal Processing Techniques for Structural Health Monitoring: A Review," *Archives of Computational Methods in Engineering*, vol. 23, no. 4, pp. 585–594, 2016, doi: 10.1007/s11831-015-9145-0.

[13] D. Goyal, Dhami, S.S., Pabla, B.S., Lachhwani, K., "Optimization of condition-based

maintenance using soft computing," *Neural Computing and Applications*, 2016, doi: 10.1007/s00521-016-2377-6.

[14] D. Goyal and B. S. Pabla, "Condition based maintenance of machine tools-A review," *CIRP Journal of Manufacturing Science and Technology*, vol. 10, pp. 24–35, 2015, doi: 10.1016/j.cirpj.2015.05.004.

[15] I. S. Thakur, V. S. Pandey, P. S. Rao, S. Tyagi, and D. Goyal, "Tribological study of mechanically milled graphite nanoparticles codeposited in electroless Ni-P coatings," *Metal Powder Report*, pp. 1–6, 2020, doi: 10.1016/j.mprp.2019.12.001.

[16] V. Kumar, R. Arora, D. Goyal, D. Pal, and S. Sehgal, "Investigations of powder flow patterns in hopper model through discrete element method," *Metal Powder Report*, vol. 75, no. 1, pp. 40–47, 2020, doi: 10.1016/j.mprp.2019.04.063.

[17] M. M. Pawade, D. Goyal, and S. S. Banwait, "Evaluation of die-sinking Electric Discharge Machine with Smart Machine Controller," *Metal Powder Report*, 2020, doi: 10.1016/j.mprp.2020.02.001.

[18] A. Gautam, D. Goyal, and B. S. Pabla, "Development of IIoT based condition monitoring system for rotating machine elements," *International Journal of Scientific and Technology Research*, vol. 9, no. 2, pp. 4683–4687, 2020.

[19] S. Kumar, P. Singh, S. Sehgal, H. Kansal, N. Aggarwal, N. Singh, S. Goyal, D. Goyal, "Application of Industrial Internet of Things for Online Monitoring of Bearings," *Lecture Notes in Mechanical Engineering*, pp. 333–342, 2020, doi: 10.1007/978-981-15-1071-7_28.

[20] A. Choudhary, S. Jamwal, D. Goyal, R. K. Dang, and S. Sehgal, "Condition Monitoring of Induction Motor Using Internet of Things (IoT)," *Lecture Notes in Mechanical Engineering*, pp. 353–365, 2020, doi: 10.1007/978-981-15-1071-7_30.

[21] L. Bagha, S. Sehgal, A. Thakur, H. Kumar, and D. Goyal, "Low cost joining of SS304-SS304 through microwave hybrid heating without filler-powder," *Engineering Research Express*, vol. 1, no. 2, p. 025035, 2019, doi: 10.1088/2631-8695/ab551d.

[22] A. Kumar, D. Goyal, and B. S. Pabla, "Thermal image based fault diagnosis of gears using support vector machines," *International Journal of Innovative Technology and Exploring Engineering*, vol. 9, no. 1, pp. 155–160, 2019, doi: 10.35940/ijitee.A3957.119119.

[23] R. Gora, S. S. Dhami, and D. Goyal, "Design optimization of a centrifugal oil cooling blower casing using modal & harmonic analysis," *International Journal of Scientific and Technology Research*, vol. 8, no. 11, pp. 3487–3492, 2019.

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[25] S. Kumar, D. Goyal, and S. S. Dhami, "Statistical and frequency analysis of acoustic signals for condition monitoring of ball bearing," *Materials Today: Proceedings*, vol. 5, no. 2, pp. 5186–5194, 2018, doi: 10.1016/j.matpr.2017.12.100.

[26] S. Kumar, D. Goyal, R. K. Dang, S. S. Dhami, and B. S. Pabla, "Condition based maintenance of bearings and gears for fault detection-A review," *Materials Today: Proceedings*, vol. 5, no. 2, pp. 6128–6137, 2018, doi: 10.1016/j.matpr.2017.12.219.

[27] D. Goyal and B. S. Pabla, "Development of non-contact structural health monitoring system for machine tools," *Journal of Applied Research and Technology*, vol. 14, no. 4, pp. 245–258, 2016, doi: 10.1016/j.jart.2016.06.003.

[28] S. Kaur; and D. Goyal, "WSN: localization concepts and techniques," *International Journal of Technical Innovation in Modern Engineering & Science*, vol. 5, no. 4, pp. 1006–1009, 2019.

[29] V. Kumar, D. Goyal, and B. Pabla, "Optimization of face milling process parameters using response surface methodology," *International Journal of Technical Innovation in Modern Engineering & Science*, vol. 4, no. 12, pp. 50–57, 2019.

[30] S. Singh, D. Goyal, and B. S. Pabla, "Developments in work holding devices - A Review," *International Journal of Technical Innovation in Modern Engineering & Science*, vol. 5, no. 3, pp. 344–348, 2019.

[31] G. Kaur, D. Goyal, and R. K. Dang, "Feature based comparison of text based image retrieval and context based image retrieval images," *Asian Journal of Engineering and Applied Technology*, vol. 7, no. S2, pp. 6–11, 2018.

[32] K. Kumar, D. Goyal, and S. Banwait, "Key variables in fretting behaviour of wire rope: A review," *International Journal of Technical Innovation in Modern Engineering & Science*, vol. 4, no. 8, pp. 871–875, 2018.

[33] K. Kumar, D. Goyal, and S. Banwait, "Geometric modelling of wire rope," *International Journal of Technical Innovation in Modern Engineering & Science*, vol. 4, no. 8, pp. 883–887, 2018.

[34] R. Kumar Dang, R. Dang, N. Goyal, and D. Goyal, "Synergistic Impact of Total Quality Management and Total Productive Maintenance on Manufacturing Performance," *Indian Journal of Science and Technology*, vol. 10, no. 24, pp. 1–7, 2017, doi: 10.17485/ijst/2017/v10i24/114616.

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[37] D. Goyal, R. K. Dang, S. S. Dhami, and A. Chauhan, "Effect of nanoparticles based lubricants on static thermal behaviour of journal bearings: A review," *Research Journal of Engineering and Technology*, vol. 8, no. 2, p. 149, 2017, doi: 10.5958/2321-581x.2017.00023.x.

[38] D. Goyal, N. Parmar, P. Srivastava, R.K. Dang, V. Senthil, V. K. Jadon, "Effect of Thermal Distortion on Performance of Hybrid Journal Bearing," Shanghai Ligong Daxue Xuebao/Journal of University of Shanghai for Science and Technology, vol. 22, no. 12, pp. 327-341, 2020, doi: 10.51201/12242

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[40] N. Goyal and D. Goyal, "Cyber-crime in the society: Security issues, preventions and challenges," *Research Journal of Engineering and Technology*, vol. 8, no. 2, p. 73, 2017, doi: 10.5958/2321-581x.2017.00012.5.

[41] N. Goyal and D. Goyal, "Need of a value education system in today's world," *Indian Society for Technical Education*, vol. 40, no. 2, pp. 1–6, 2017.

[42] N. Goyal and D. Goyal, "Impact of E-Commerce in India: Issues & Challenges," *International Journal of Advanced Research in Computer Science*, vol. 7, no. 6, 2016.

[43] N. Goyal and D. Goyal, "Cloud Computing in Educational Research," *International Journal of Recent Engineering Research and Development (IJRERD),* vol. 1, no. 2, pp. 1-5, 2016.

[44] R. K. Dang, D. Goyal, A. Chauhan, and S. S. Dhami, "Effect of non-newtonian lubricants on static and dynamic characteristics of journal bearings," in Materials Today: Proceedings, Jan. 2020,

vol. 28, pp. 1345–1349, doi: 10.1016/j.matpr.2020.04.727.

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Conference Proceedings

[1] S. Kumar, D. Goyal, and S. S. S. Banwait, "Development of low cost programmable indexing head for horizontal milling machine," in *2017 IEEE International Conference on Mechatronics and Automation (ICMA)*, 2017, pp. 2028–2033, doi: 10.1109/ICMA.2017.8016130.

[2] A. Saini, D. Goyal, S. S. Dhami, B. S. Pabla, and others, "Prediction of multi-response parameters in material removal processes using soft computing—A review," Proceedings of IEEE conference on Advances in Computing, Communication, & Automation (ICACCA)(Spring), 2016, pp. 1–6.

[3] Vanraj, D. Goyal, A. Saini, S. S. S. Dhami, and B. B. S. Pabla, "Intelligent predictive maintenance of dynamic systems using condition monitoring and signal processing techniques - A review", Proceedings of IEEE conference on Advances in Computing, Communication, & Automation (ICACCA)(Spring), 2016, doi: 10.1109/ICACCA.2016.7578870.

[4] D. Goyal, A. Chaudhary, R. K. Dang, B. S. Pabla, and S. S. Dhami, "Condition monitoring of rotating machines: A review," in *International Conference on Frontiers of Science & Technology*, 2018.

[5] D. Goyal and R.K. Dang, "Infrared thermography for condition monitoring of induction motor bearings," in *Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME)*, 2018.

[6] D. Goyal and R. K. Dang, "Maximum power point tracking techniques for hybrid renewable energy system: A review," in *Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME)*, 2018.

[7] D. Goyal and R.K. Dang, "Influence of nanoparticles based lubricants on tribological performance of journal bearings," in *Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME)*, 2018.

[8] G. Kaur, D. Goyal, and R. K. Dang, "Feature based comparison of text based image retrieval and context based image retrieval images," in *Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME)*, 2018.

[9] R. Kashkari, N. Rathi, S. Satya, T. Chaudhary, S. Sehgal, H. Kumar, and D. Goyal., "Fabrication and analysis of glass fiber composites with varying fiber to resin ratio," in 7th International Conference on Advancements in Engineering & Technology (ICAET), 2019, pp. 251–255, doi: 10.1017/CBO9781107415324.004.

Book Chapters

[1] Lachhwani, K., Dwivedi, A. and Goyal, D., 2017. Feasibility of Lingo Software for Bi-Level Programming Problems (BLPPs): A Study. *In Proceedings of Sixth International Conference on Soft Computing for Problem Solving* (pp. 343-346). Springer, Singapore.

[2] A. Saini, Vanraj, D. Goyal, B. S. Pabla, and S. S. Dhami, "Intelligent tool wear monitoring in machining ti6al4v alloy using support vector machines," in Communication and Computing Systems - Proceedings of the International Conference on Communication and Computing Systems, ICCCS 2016, 2017, pp. 499–505, doi: 10.1201/9781315364094-90

[3] Vanraj, A. Saini, D. Goyal, S. S. Dhami, and B. S. Pabla, "Sound emission based sensor location optimization in fixed axis gearbox using support vector machines," in Communication and Computing Systems - Proceedings of the International Conference on Communication and Computing Systems, ICCCS 2016, 2017, pp. 867–872, doi: 10.1201/9781315364094-156.

[4] D. Goyal and N. Goyal, "Role of information and communication technologies in transforming teaching and learning environments," Utilizing educational data mining techniques for improved learning: Emerging research and opportunities, pp. 1–12, 2019, doi: 10.4018/978-1-7998-0010-1.ch001.

AWARDS AND ACHIEVEMENTS

- Award of INSPIRE Fellowship (SRF), an innovative programme sponsored and managed by the Department of Science & Technology, Government of India.
- Gold MILCA Award by Confederation of Indian Industry, India
- Awarded as 'Gold Medalist' in M.E. (Mechanical Engineering) by Panjab University, Chandigarh
- Awarded as 'Gold Medalist' with Dr. S P Luthra Memorial Gold Medal for "The Best performance Award" by NITTTR Chandigarh, India.
- Awarded with 'Certificate of Merit (Academic)' by NITTTR Chandigarh, India.
- Best Research Paper Award by UIET, Panjab University, Chandigarh, India.
- Awarded as 'Best Player' in Table Tennis from NITTTR Chandigarh, India.

EDITORIAL BOARD MEMBER

- Frontiers of Mechatronical Engineering, EnPress Publisher, USA
- Electronics Science Technology and Application, Universe Scientific Publishing Pte Ltd, Singapore
- Insight – Energy Science
- Big Data and Cloud Innovation Editorial Office, Whioce Publishing Pte Ltd, Singapore
- American Journal of Mechanical and Industrial Engineering, Science Publishing Group, USA

EDITORIAL BOARD MEMBER

- Honorary Rosalind Member of London Journals Press (Quarterly)

REVIEWER

- ASME Journal of Vibration and Acoustics
- IEEE Transactions on Instrumentation & Measurement
- IEEE Access
- Measurement – Elsevier
- IET Science Measurement & Technology
- Mechanical Systems & Signal Processing – Elsevier

- Structural Health Monitoring – Sage
- Tribology in Industry
- Journal of Mechanical Science & Technology – Springer
- International Journal of Acoustics and Vibration
- Shock and Vibration – Hindawi
- Electronics Letters (IET)
- International Journal of Pattern Recognition and Artificial Intelligence
- Earthquake Engineering and Engineering Vibration – Springer
- Journal of Mechanical Engineering Science – Sage
- Journal of Experimental and Theoretical Artificial Intelligence – Taylor and Francis
- Mechanism and Machine Theory – Elsevier
- Journal of Quality in Maintenance Engineering – Emerald Insight
- International Journal of Cyber Criminology
- Journal of Information Processing Systems
- International Journal of System Assurance Engineering and Management – Springer
- ICT Express
- Procedia Engineering – Elsevier
- Science & Education Publishing
- Insight Medical Publishing Journals
- Materials Science: An Indian Journal
- Engineering & Technology Reference – IET

BOOK REVIEWER

- Engineering Mechanics authored by Dr. SP Bedi & Dr. MP Poonia, Khanna Publishers, India
- Intelligent Control: A Stochastic Optimization Based Adaptive Fuzzy Approach, Springer

LAB MANUALS

- Contributed Fluid Mechanics Lab Manual for Engineering Colleges of the State of Rajasthan, India
- Contributed Heat Transfer Lab Manual for Engineering Colleges of the State of Rajasthan, India
- Contributed Fluid Mechanics Lab Manual for Polytechnic Colleges of the State of Haryana, India

INVITED TALKS

- Delivered on "Research Writing, Equations, Figures and Presentation using LaTeX" organized by Department of Computer Science and Engineering, NITTTR Chandigarh (22.09.2020)
- Delivered on "Homogeneous Transformations & Robot Kinematics" organized by Department of Mechanical Engineering, NITTTR Chandigarh (03.12.2020)
- Delivered on "Geometric Analysis of Inverse Kinematics" organized by Department of Mechanical Engineering, NITTTR Chandigarh (16.12.2020)
- Delivered on "Numerical Problems & Advanced Technological Features of Modern Robots" organized by Department of Mechanical Engineering, NITTTR Chandigarh (22.12.2020)
- Delivered on "Complex Content Generation using LaTeX and Free Flow Chart Tools" organized by Department of Computer Science and Engineering, NITTTR Chandigarh (22.10.2020)

- Delivered on "Drawing, Design and Effective Presentation using LaTeX" organized by Department of Computer Science and Engineering, NITTTR Chandigarh (23.10.2020)
- Delivered on "Research Article, Tables, Figures and Thesis Management using LaTeX" organized by Department of Computer Science and Engineering, NITTTR Chandigarh (28.08.2020)
- Delivered on "Figures, Equations and Drawing Tools using Origin" organized by Department of Computer Science and Engineering, NITTTR Chandigarh (31.07.2020)
- Delivered on "Linear Programming" organized by Department of Mechanical Engineering, NITTTR Chandigarh (13.07.2020)
- Delivered on "Simplex Method" organized by Department of Mechanical Engineering, NITTTR Chandigarh (13.07.2020)

COURSES/FDP/ WORKSHOPS CONDUCTED

- 5-days FDP on "HVAC&R for Energy Efficient Buildings" by ASHRAE Chandigarh Chapter and Thapar University, Patiala from 23.09.2020 to 27.09.2020
- 3-days workshop on "Scientific Writing using LaTeX" from 28.09.2020 to 30.09.2020

COURSES ATTENDED

- "Atal Course on Robotics" at NITTTR Chandigarh from 23.12.2019 to 27.12.2019.
- "Atal Course on 3D Printing and Design" at NITTTR Chandigarh from 16.12.2019 to 20.12.2019.
- "Optimization using MATLAB through ICT" at NITTTR Chandigarh from 24.10.2016 to 28.10.2016 (1 week)
- "MATLAB and Simulink: Signal Processing and Control System Design" at NITTTR Chandigarh from 29.08.2016 to 02.09.2016 (1 week)
- "Quantitative Data Processing, Analysis & Reporting through SPSS", International Forum of Commerce & Management Professionals and SPSS at NITTTR Chandigarh from 25.05.2016 to 27.05.2016 (3 days)
- "Condition Monitoring of Rotating Machine Elements" at IIT Indore from 21.12.2015 to 23.12.2015 (3 days)
- "Considering Industry Stake-Holding in Lab Research" at IIT Roorkee from 11.10.2014 to 12.10.2014 (2 days)

EXTRA CURRICULAR ACTIVITIES

- *Represented district Mansa (Pb.) at State level TT tournament for consecutive 3 years.*
- *Represented district Mansa (Pb.) at State level Group song competition.*
- *Represented PU hostel by winning Intra-hostel TT competition.*
- *Winner of Men's Singles TT Tournament at NITTTR Chandigarh, India*
- *Winner of Men's Doubles TT Tournament at NITTTR Chandigarh, India*
- *Attended National Conclave Conference'11 at Panjab University, Chandigarh, India*
- *Attended Workshop on "Industry Stake Holding in Lab research" at IIT Roorkee, India*
- *Participated as volunteer in National Abilympics at NITTTR Chandigarh, India*

HOBBIES

- *Teaching, Spiritual Service, Motivational counsellor, Learning meditation to others.*
- *Playing Table Tennis, Listening Soft music*

SPIRITUAL LECTURES DELIEVERED

- *Memory Management, Positive Thinking, Secrets of Success, Anger Management, Stress Free Living, Personality Development, Giving up Addiction, Tension Free Living, Happiness Living, Harmony in Relationships*

PROFILE

I hereby declare that the particulars given herein are true and complete to the best of my knowledge and belief.

PLACE: Panchkula, India
DATE: August 31, 2020