



RESUME

Dr. Manoj Kumar Gupta

Assistant Professor

Mechanical Engineering Department

School of Engineering & Technology

**Hemvati Nandan Bahuguna Garhwal University (A Central University), Srinagar.
Uttarakhand-246174.**

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<https://scholar.google.com/citations?user=QFOcH6IAAAAJ>

<https://www.researchgate.net/profile/Manoj-Gupta-25>

Web of Science ResearcherID-AAH-3658-2020

<https://publons.com/researcher/1672617/manoj-kumar-gupta/>

RESEARCH AREA

- ❖ Composite Materials, Friction Stir Welding, Friction Stir Processing Composites, Machining Process and Inventory Management.

SUBJECT TAUGHT

- ❖ Composite Materials, Manufacturing Technology, Machine Drawing, Engineering Drawing, Modern machining processes, Basic of Mechanical Engineering, Flexible Manufacturing Process, CNC Machining and Programming, Industrial Engineering.

SUMMARY OF EDUCATIONAL QUALIFICATIONS

- 1. Ph.D.** from **N.I.T, Uttarakhand**, Srinagar, Uttarakhand, India, 2019.
- 2. M.E (Manufacturing Technology)** from **NITTTR, Chandigarh**, India, 2009 with 1st Div.
- 3. B.E (Production Engg.)** from **Birla Institute of Technology, Ranchi**, India, 1996 with 1st Div.

PERSONAL PROFILE

Date of Birth	29 th June, 1973
Nationality	Indian
Marital Status	Married
Father's Name	Sh. Madan Kumar Gupta

TEACHING EXPERIENCE

❖ *Total teaching experience -22 years.(Approx.)*

1. Assistant Professor (Mechanical Engineering)

26th June 2012 to till date at H.N.B Garhwal Central University, Srinagar (Uttarakhand), India.

2. Assistant Professor (Mechanical Engineering)

1st Sept. 2000 to 25th June, 2012 at **T.I.T&S**, Bhiwani (Haryana), India.

3. Lecturer (Mechanical Engineering)

19th Nov. 1999 to Aug. 31, 2000 at **B.M.I.E.T**, Sonipat (Haryana), India

PUBLICATIONS

(A) Refereed Journals:-

- 1. Manoj Kumar Gupta & Neeraj Kaushik** , Bio-Diesel: Panacea for Energy Crises, LAKSH, Journal of IPPEM, 1(2) , 11-17, 2007, ISBN /ISSN No 0974-8903 (**UGC Listed Journal**)
- 2. Manoj Kumar Gupta**, Agile Manufacturing: Concept & Opportunities, LAKSH, Journal of IPPEM, 5(1), 43-48, 2011, ISBN /ISSN No 0974-8903 (**UGC Listed Journal**)
- 3. Manoj Kumar Gupta & Satpal Sharma**, Implementation Issue of JIT in SMEs” LAKSH, Journal of IPPEM, 2(6), 31-35,2012, ISBN /ISSN No 0974-8903 (**UGC Listed Journal**)
- 4. Manoj Kumar Gupta**, Innovative Application of Nanotechnology, Anusandhan, 2(4), 37-42, 2013. ISBN /ISSN No 2278-4187 (**UGC Listed Journal**)
- 5. Manoj Kumar Gupta**, Inventory Control Model: A Tool for Optimizing the Resources, Industrial Engineering Journal, 7(5), 29-35, 2014. ISBN /ISSN No 0970-2555 (**UGC CARE Listed Journal**)

- 6. Manoj Kumar Gupta** and Pawan kumar Rakesh, Effects of Reinforced Particulates on Properties of Aluminium Metal Matrix Composite, *Anusandhan*, 3(4), 558-566, 2014. ISBN /ISSN No 2278-4187 (**UGC Listed Journal**)
- 7. Manoj Kumar Gupta**, Turning of Aluminium Metal Matrix Composite, *Industrial Engineering Journal*, 8(1), 24-29, 2015. ISBN /ISSN No 0970-2555 (**UGC CARE Listed Journal**)
- 8. Manoj Kumar Gupta**, Pawan Kr. Rakesh, Inderdeep Singh, Application of Industrial Waste in Metal Matrix Composite, *Journal of Polymer & Composites*, 4(3), 27-34, 2016. ISBN /ISSN No 2321-2810 (**UGC CARE and WOS Listed Journal**)
- 9. Manoj Kumar Gupta**, Controlling Factors in Aluminum Matrix Composites Fabrication, *Anusandhan*, 7(14), 141-151, 2018. ISBN /ISSN No 2278-4187 (**UGC Listed Journal**)
- 10. Manoj Kumar Gupta** and Pawan Kumar Rakesh, Characterization of pine needle ash particulates reinforced surface composite fabricated by friction stir process”, *Mater. Res. Express* 6(4), 2019, 046539. ISBN /ISSN No 2053-1591 (**SCI**)
<https://doi.org/10.1088/2053-1591/aafaee>
- 11. L Ranakoti, MK Gupta, PK Rakesh**, Analysis of mechanical and tribological behavior of wood flour filled glass fiber reinforced epoxy composite, *Materials Research Express* 6 (8), 2019, 085327. ISBN /ISSN No 2053-1591 (**SCI**)
<https://doi.org/10.1088/2053-1591/ab2375>.
- 12. Manoj Kumar Gupta**, Lalit Ranakoti, Ankur Kumar, Rajesh, Investigation of Mechanical and Water absorption Behavior of Wood Flour Filled Glass Fiber Reinforced Epoxy Composite” *Anusandhan*, 9(17), 94-105, 2019. ISBN /ISSN No 2278-4187 (**UGC Listed Journal**)
- 13. Manoj Kumar Gupta**, Analysis of Tribological Behavior of Al/Gr/MoS₂ Surface Composite Fabricated by Friction Stir Process, *Carbon Letters* 30, 399–408 (2020). ISBN /ISSN No 1976-4251 (**SCI**) <https://doi.org/10.1007/s42823-019-00109-w>
- 14. Gupta, M.K.**, Friction stir process: a green fabrication technique for surface composites—a review paper, *SN Appl. Sci.* **2**, 532, 2020. ISBN /ISSN No 2523-3971 (**ESCI**) <https://doi.org/10.1007/s42452-020-2330-2>

- 15. Manoj Kumar Gupta**, Effects of tool profile on mechanical properties of aluminium alloy Al 1120 friction stir welds, Journal of Adhesion Science and Technology, 34(18),2000-2010, 2020. ISBN /ISSN No 1568-5616 (**SCI**)
<https://doi.org/10.1080/01694243.2020.1749448>
- 16. Manoj Kumar Gupta**, Brijesh Gangil, Lalit Ranakoti, Mechanical and Tribological Characterization of Al/TiB₂ composites, Industrial Engineering Journal, 13(4), 2020, 1-10. ISBN /ISSN No 0970-2555 (**UGC CARE Listed Journal**)
- 17.** Lalit Ranakoti, Anuj Raturi, **Manoj Kumar Gupta**, Influence Of Natural Jatropha Fruit Shell on the Mechanical Properties of Glass Fiber Reinforced Polymer Composites, IJARET, 11(5), 1187-1192, 2020. ISBN /ISSN No 0976-6499 (**Scopus**).
10.34218/IJARET.11.5.2020.129
- 18. Manoj Kumar Gupta**, Effects of tool pin profile and feed rate on wear performance of pine leaf ash/Al composite prepared by friction stir processing, Journal of Adhesion Science and Technology, 35(3), 256-268, 2021.
<https://doi.org/10.1080/01694243.2020.1800290>. ISBN /ISSN No 1568-5616 (**SCI**)
- 19.** Abhas Manu and **Manoj Kumar Gupta**, Application of nanomaterials in automobile industry, Applied Innovative Research 2, 107-113, 2020. ISBN /ISSN No 2581-8198
- 20.** Gangil B., **Gupta M.K.**, Ranakoti L., Singh T. Thermal and Thermo-Mechanical Analysis of Vinyl-Ester-Carbon/CBPD Particulate-Filled FGMS and Their Homogenous Composites. In: Rakesh P.K., Sharma A.K., Singh I. (eds) Advances in Engineering Design. Lecture Notes in Mechanical Engineering. Springer, Singapore, 2021. https://doi.org/10.1007/978-981-33-4018-3_15. (**Scopus**).
- 21. Gupta M.K.**, Gangil B., Ranakoti L., Rakesh P.K., Patel V.K. (2021) Effects of Tool Pin Profiles on Mechanical Properties of Al/TiB₂ Surface Composite Fabricated by Friction Stir Process. In: Rakesh P.K., Sharma A.K., Singh I. (eds) Advances in Engineering Design. Lecture Notes in Mechanical Engineering. Springer, Singapore.
https://doi.org/10.1007/978-981-33-4018-3_13. (**Scopus**).
- 22.** Priya, Gupta Manoj Kumar, Patel Vinay Kumar, Effect of Carbonitriding on Tribomechanical and Corrosion-Resistant Properties of Friction Stir Welded

- Aluminium 2024 Alloy, Journal of Mechanical Engineering, 71(2), 199 – 212, 2021 (Dec). ISBN /ISSN No 2450-5471 (**Scopus**). <https://doi.org/10.2478/scjme-2021-0030>
- 23. Manoj Kumar Gupta**, Characterization of Al-6063/TiB₂/Gr Hybrid Composite Fabricated by Stir Casting Process, Metal Powder Report, 76(S1), S30-38, 2021. ISBN /ISSN No 0026-0657 (**Scopus**) <https://doi.org/10.1016/j.mprp.2020.06.063>
- 24. Manoj Kumar Gupta**, Vishesh Singhal, Review on materials for making lightweight vehicles, Materials Today: Proceedings, 56, 868–872, 2022. ISBN /ISSN No 2214-7853 <https://doi.org/10.1016/j.matpr.2022.02.517> (**Scopus**).
- 25. Manoj Kumar Gupta**, Review on Optimization Techniques for AGV's Optimization in Flexible Manufacturing System, GU J Sci 36(2): 399-412 (2023), ISBN /ISSN 2147-1762 <https://doi.org/10.35378/gujs.994588>. (**Scopus, ESCI**).
- 26. Gupta, Manoj Kumar**, Vishesh Singhal, and Nitesh Singh Rajput, Applications and Challenges of Carbon-fibres reinforced Composites: A Review, EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, 9(3), 682-693, Sept, 2022. ISBN /ISSN No 2432-5953 (**Scopus**) <https://doi.org/10.5109/4843099>
- 27. Kundu, A. K., Gupta, M. K., Rajput, N. S., & Rathore, R**, Adhesive assisted TiB₂ coating effects on friction stir welded joints, Scientific Reports, 12(1), 1-12, 2022. ISBN /ISSN No 2045-2322 (**SCI**) <https://doi.org/10.1038/s41598-022-21281-6>
- 28. Manoj Kumar Gupta**, Simulating the Fluid Flow via Ceiling Diffuser Using Open FOAM, EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, 10(1), March 2023, ISBN /ISSN No 2432-5953 (**Scopus**).
- 29. Rajesh Rathore, Manoj Kumar Gupta**, Nitesh Singh Rajput, Amit Kumar Kundu, Effects of Tool Rotational Speed on Friction Stir Welded Joints of 1120 Al, Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, 22 Jan 2023. ISBN /ISSN No 2364-1835. <https://doi.org/10.1007/s40997-023-00600-w> (**SCI**)
- 30. Manoj Kumar Gupta**, Mechanical behaviors of Al 6063/TiB₂ composites fabricated by stir casting process, Materials Today: Proceedings xxx (xxxx) xxx Jan 2023, <https://doi.org/10.1016/j.matpr.2023.01.120> (**Scopus**).

(B) Conference proceeding as a full paper:-

- 1. Manoj Kumar Gupta**, paper title “Recent Trends and Challenges in composite Material” in International Conference held at TIT&S, Bhiwani, Haryana dated 22nd.-23rd.Oct, 2013.
- 2. Manoj Kumar Gupta and Pawan kumar Rakesh**, in PFAM-XIII paper title “Machinability Issues in Aluminum Matrix Composites” at IIT, Roorkee dated 4th.to 5th.Dec.2014.
- 3. Manoj Kumar Gupta and Pawan kumar Rakesh**, in UGC Sponsored National Conference on GCRSTS-2016, paper title “Study of Industrial waste Reinforces Metal Matrix Composites” at TITS, Bhiwani , Haryana dated April 23-24,2016.
- 4. Manoj Gupta and Pawan Kumar Rakesh**, “Impact Strength of Surface Composites Developed by Friction Stir Process” International Conference on ASCADM-2018, 4th- 6th June 2018.
- 5. Manoj Kumar Gupta, Brijesh Gangil, Lalit Ranakoti, Pawan Kumar Rakesh, Vinay Kumar Patel**, “ Effects of Tool Pin Profiles on Mechanical Properties of Al/TiB₂ Surface Composite Fabricated by Friction Stir Process” Proceedings of International Conference on Innovative Engineering Design 2020 Jointly organized by NIT Uttarakhand & The Institution of Engineers, Uttarakhand State Centre (India) January 18-19, 2020.
- 6. Manoj Kumar Gupta & Vishesh Singhal**, “Review on Material for Making Lightweight Vehicles”, ICM MM 02021-2022, dated 4-6 March 2022 at NIT Jamshedpur.

(c) Book Chapter

- Lalit Ranakoti, **Manoj Kumar Gupta** and Pawan Kumar Rakesh, “Silk and Silk-Based Composites: Opportunities and Challenges”, Processing of Green Composites, pp 91-106, Springer Nature, 2019. ISBN 978-981-13-6018-3
- Manoj Kumar Gupta**, Lalit Ranakoti and Pawan Kumar Rakesh, Effects of Reinforcement on Tribological Behaviour of Aluminium Matrix Composites, Automotive Tribology, pp 131-143, Springer Nature, 2019. ISBN 978-981-15-0433-4 https://doi.org/10.1007/978-981-15-0434-1_8

3. Sandeep Kumar, Brijesh Gangil, Krishan Kant Singh, **Manoj Kumar Gupta**, and Vinay Kumar Patel, Bast Fiber-Based Polymer Composites, Hybrid Fiber Composites: Materials, Manufacturing, Process Engineering, pp147-167, John Wiley & Sons, 2020, ISBN3527824561, 9783527824564.
4. **Gupta M.K.**, Gangil B., Ranakoti L., Rakesh P.K., Patel V.K. Effects of Tool Pin Profiles on Mechanical Properties of Al/TiB₂ Surface Composite Fabricated by Friction Stir Process. In: Rakesh P.K., Sharma A.K., Singh I. (eds) Advances in Engineering Design. Lecture Notes in Mechanical Engineering. Springer, Singapore, pp137-147, **2021**. ISBN 2195-4356, 978-981-33- 4017-6. https://doi.org/10.1007/978-981-33-4018-3_13.
5. Gangil B., **Gupta M.K.**, Ranakoti L., Singh T. (2021) Thermal and Thermo-Mechanical Analysis of Vinyl-Ester-Carbon/CBPD Particulate-Filled FGMS and Their Homogenous Composites. In: Rakesh P.K., Sharma A.K., Singh I. (eds) Advances in Engineering Design. Lecture Notes in Mechanical Engineering. Springer, Singapore. pp159-167, **2021**, ISBN 2195-4356, 978-981-33- 4017-6. https://doi.org/10.1007/978-981-33-4018-3_15.
6. S Verma, L Ranakoti, B Gangil, **MK Gupta** (2022), Drilling and Repair of the Composite Sandwich Panels Sandwich Composites, Sandwich Composites: Fabrication and Characterization, 261-275, CRC Press, taylorfrancis.com, 2022. ISBN 978-1-003-14303
7. L Ranakoti, **Manoj kumar Gupta**, Dharamvir Mangal and Pawan Kumar Rakesh (2023) Recycling of Polymers and Its Application, Celulose Composite: Processing And Characterization, Pawan Kumar Rakesh and J paulo Devim, De Gruyter, ISBN9783110768695
8. Pawan Kumar Rakesh, L Ranakoti, **Manoj kumar Gupta** (2023) Mechanical Properties of Chemically Treated Cellulose Fiber-reinforced Polymer Composites, Celulose Composite: Processing and Characterization, Pawan Kumar Rakesh and J paulo Devim, De Gruyter, ISBN9783110768695

PARTICIPATED AND PRESENTED PAPER IN NATIONAL/ INTERNATIONAL CONFERENCES/ WORKSHOP/ SEMINAR/FDP

(A) Paper Presented (National) :-

- 1. Manoj Kumar Gupta,...** Presented paper title “Yfadi: An Interactive support system for the Management of Production in Textile Industry” in National conferences held on March 30-31, 2007 at N.C. College of Egg., Israna, Panipat, Haryana.
- 2. Manoj Kumar Gupta,** Presented paper title” Aluminium metal matrix composite: Promising materials in the automotive and aircraft industry” in National conferences held on dated 3-4th.march 2012 at TIT&S, Bhiwani, Haryana.
- 3. Manoj Kumar Gupta,** Presented paper title” Mathematical Inventory Control Model & Effect on Inventory: A Case Study.” in National conference held on dated 18/08/2012 at TIT&S, Bhiwani, Haryana.
- 4. Manoj Kumar Gupta,** Presented paper title “Aluminium Metal Matrix Composite: Future & Scope in Industry” in National Conference held on dated 26th.-27th.Oct, 2013, at H.N.B.G.U Srinagar, Garhwal, Uttrakhand.
- 5. Manoj Kumar Gupta and Pawan kumar Rakesh,** presented paper in UGC Sponsored National Conference on GCRSTS-2016, paper title “Study of Industrial waste Reinforces Metal Matrix Composites” at TITS, Bhiwani, Haryana dated April 23-24, 2016.

(B) Participated (National):-

- 1.** Attended National workshop on MATLAB held on 28/02/2008 at Tit&s, Bhiwani.
- 2.** Attended FDP on "Art of learning" held on 22-08-2009. at TIT&S,Bhiwani.
- 3.** Attended National Workshop on “SEBI and Investor Protection” dated 23/10/2010 at B.L.J.S PG College Tosham, Bhiwani, Haryana.
- 4.** Attended National Workshop on “Indian’s Economic Health: Major Issues” dated 25/02/2011 at TIT&S, Bhiwani, Haryana.
- 5.** Attended National conferences on “Strategic Transformation in Globalised Era” dated 26/02/2011 at TIT&S, Bhiwani, Haryana.
- 6.** Attended National Seminar on “Combating Disaster in the Himalaya” dated 09/09/2013 at H.N.B.Garhwal (Central) University, Srinagar, Uttrakhand.
- 7.** Attended National Workshop on “Systematic Voters’ Education and Electoral participation (SVEEP)” dated 27/12/2013 at H.N.B.G.U Srinagar, Garhwal, Uttrakhand.

8. Attended National Workshop on “Recent Trend in Education System” dated Nov.29-30, 2014 at NIT, Uttarakhand.
9. Attended two days workshop on “Materials Characterization by SEM, TEM, XRD & EBSD” dated 27-28 Oct.2017 at G.B.I.E.T, Pauri Garwal, Uttarakhand.
10. National webinar on “Dr. Ambedkar: Constitutional Values, Social Justice and Education” dated 14 April, 2020 organised by HNB Garhwal University, Srinagar, Uttarakhand.
11. National webinar on “Research Thrust Areas in Composites” dated 20 May 2020 organised by Arasu Engineering College, Kumbakonam, Tamil Nadu.
12. National webinar on “Dimension and Degrees of Higher Education” dated 23 May 2020 organized by Bundelkhand University, Jhansi, U.P.
13. Participated one day seminar on the Topic “IPR” on dated 30/09/2022 conducted by IQAC, HNB Garhwal University, Srinagar, Uttarakhand.

(C) Participated and presented (International):-

1. **Manoj Kumar Gupta**, Presented paper title “Recent Trends and Challenges in composite Material” in International Conference on ICAICTE-2K13 held at TIT&S, Bhiwani, Haryana dated 22nd.-23rd.Oct, 2013.
2. **Manoj Kumar Gupta and Pawan kumar Rakesh**, presented paper in PFAM-XIII paper title “Machinability Issues in Aluminum Matrix Composites” at IIT, Roorkee dated 4th.to 5th.Dec.2014.
3. **Manoj Gupta and Pawan Kumar Rakesh**, “Impact Strength of Surface Composites Developed by Friction Stir Process” International Conference on ASCADM-2018,NIT Patna, 4th- 6th June 2018.
4. **Manoj Kumar Gupta, Brijesh Gangil, Lalit Ranakoti, Pawan Kumar Rakesh, Vinay Kumar Patel**, “ Effects of Tool Pin Profiles on Mechanical Properties of Al/TiB₂ Surface Composite Fabricated by Friction Stir Process” Proceedings of International Conference on Innovative Engineering Design 2020 Jointly organized by NIT Uttarakhand & The Institution of Engineers, Uttarakhand State Centre (India) January 18-19, 2020.

5. **Manoj Kumar Gupta**, “Simulating the Fluid Flow via Ceiling Diffuser Using Open FOAM”, 2nd International Conference on Industrial and Manufacturing Systems(CIMS-2021).Dr. B R Ambedkar National Institute of Technology (NIT), Jalandhar and Punjab Engineering College(PEC),Chandigarh, Nov.11-13,2021.
6. **Manoj Kumar Gupta & Vishesh Singhal**, “Review on Material for Making Lightweight Vehicles”, ICMMS 02021-2022, dated 4-6 March 2022 at NIT Jamshedpur.

INVITED TALK IN CONFERENCES

1. National Conference on Recent Advances in Material Science (NCRAMS-2013) held on dated 26th.-27th.Oct, 2013, on the topic “Aluminium Metal Matrix Composite:Future and Scope in Industry “at H.N.B Garhwal University, Garhwal, Uttrakhand.
2. International conference AAC-2018 held on dated 21th.-23th.Oct, 2018, on the topic Application of Frictional Force in Welding and Material Processing at H.N.B Garhwal University, Garhwal, Uttrakhand.
3. Inspire Science Camp-2019 held on dated 20/01/2019 on the topic “Application of Frictional Forced in Mechanical Engineering” organized by H.N.B Garhwal University, Garhwal, Uttrakhand.
4. National Conferences on Recent Advancements in Atmospheric Science with Special References to Himalaya (RASS-2019) held on dated 25/09/2019 on the topic “Green Manufacturing” organized by H.N.B Garhwal University, Garhwal, Uttrakhand.
5. IIC- HNBSGU Online Internship Program Institute Innovation Cell on the topic “Composite Materials and Its Application in Automobile Industries” Hemvati Nandan Bahuguna Garhwal University (A Central University), Srinagar Garhwal Uttarakhand dated June 01, 2021 – July 26, 2021.

PATENT

1. **German Patent** - Title “A Composition for fabricating of pine needle ash particulates reinforced surface composite”, March 2022. Patent No.20 2022 100 826, C22C 105

AWARDS

- 1. Best Research Award**, International Research Awards on New Science Inventions NESIN 2020 awards held on 8th. Augt 2020, organized by Science Father, Asia-Pacific: SCIFAX 23/3, Chennai, India.
- 2. Best Researcher Award**, In the 9th International Scientist Awards on Engineering, Science and Medicine, held on 12 & 13-Sep-2020, Trichy, India, Organized by VDGGOOD Professional Association.
- 3. Research Excellence Award-2022**, for outstanding contribution in the field of “Developing Composite Materials using Biomass”, in National Seminar on Conservation of Biodiversity organized by Society for Conservation of Natural Resources, Kolkata, West Bengal held on Sept. 2 & 3, 2022.
- 4. Best Researcher Award**, In International R&D Awards & Summit-22 organized by Record Owner, India dated 06/11/2022.

REVIEWER OF INTERNATIONAL JOURNAL

1. Journal of Adhesion Science and Technology, Taylor & Francis.
2. Material Research Express, IOP Science.
3. Journal of The Institution of Engineers (India): Series D, Springer.
4. Journal of Materials Engineering and Performance, Springer.
5. EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Japan.

PARTICIPATED IN ORIENTATION & SHORT TERM TRAINING PROGRAMME

(A) Two or more than two week duration:

- 1.** Two weeks AICTE sponsored Short term training programme on Problem "Solving through C language " from 03.06.2002 to 15.06.2002 at Government Polytechnic, Patna, Bihar.
- 2.** Two weeks AICTE sponsored Short term training programme on “Information Technology for New Millennium" from 24.06.2002 to 06.07.2002 at Government Polytechnic, Gopalganj, Bihar.

3. Two weeks AICTE sponsored Short term training programme on "Advances in Aerospace Engineering and Rocket Propulsion" from 28.06.2004 to 10.07.2004 at B. I. T. Mesra, Ranchi.
4. One month ORIENTATION course held from 13-12-2010 to 11-01-2011 sponsored by UGC at B.P.S Mahila University, Khanpur Kalan, Sonapat, Haryana.
5. Two weeks AICTE sponsored short term training programme on "ETALM" held from 7th.-18th. May 2012 at O.I.T.M, Hisar, Haryana.
6. Three weeks Special Winter School on Value Education from 06-03-2017 to 25-03-2017 at H.P University, Shimla.
7. Eight weeks NPTEL online Certification course on "Introduction to Machining and Machining Fluids" dated Feb-Apr 2019.
8. Six weeks online Internship (Industrial Training) on CNC PROGRAMMING from 01.06.2020 to 18.07.2020 conducted by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), Ministry of Micro, Small & Medium Enterprises, Government of India Organization, Foundry Nagar, Agra-282 006 (U.P.).
9. Two weeks online FDP on topic "Experimental and Numerical Methods for Mechanical Engineers" held from August 17th -28th, 2020 conducted by GBPIET, Pauri Garhwal, Uttarakhand.
10. Two weeks (10 days) FDP on topic "Advances in Material Processing and Additive Manufacturing" organized by the Electronics and ICT Academy at PDPM IITDM Jabalpur during Sept.01-10,2022

(B) One week duration:

1. One week AICTE sponsored short term training programme on "Prospective of Metal Cutting Present & Future" held from 12-07-2010 to 16-07-2010 at N.I.T, Jalandhar.
2. One week AICTE sponsored short term training programme on "Supply Chain Excellence" held from 13-06-2011 to 18-06-2011 at I.I.T, Delhi.
3. One week AICTE sponsored short term training programme on "AUTO CAD 3D" held from 11-02-2013 to 15-02-2013 at NITTTR, Chandigarh.
4. One week AICTE sponsored short term training programme on "Engineering Materials and NDT" held from 22-08-2016 to 26-08-2016 at NITTTR, Chandigarh.

5. One week short term course on “OERHE” dated 4th to 9th Sept.2017 at H.N.B Garhwal University, Srinagar, Uttarakhand.
6. One week workshop on “Use and Development of Open Educational Resources” dated 12th to 18th Oct.2018 at H.N.B Garhwal University, Srinagar, Uttarakhand.
7. One week workshop on “Design Thinking for Innovative Products” dated 4th to 8th March 2019 at N.I.T Uttarakhand, Srinagar, Uttarakhand.
8. One week workshop on “Computational Techniques in Research Methodology for Sciences and Social Sciences” dated 25th to 31th July 2019 at H.N.B Garhwal University, Srinagar, Uttarakhand.
9. One week online STC on “Renewable Energy and Utilization” from May 26th -30th , 2020, conducted by Sandip Institute of Engineering and Management, Nashik.
10. One week online FDP on “Engineering Thermodynamics” dated July 20th -24th , 2020 conducted by AEC, Tamil Nadu.
11. One week online FDP on “Advancement in Mechanical and Automobile Engineering” from August 03rd -08th , 2020 conducted by AEC, Tamil Nadu.
12. One week online STC on “Recent Development in Mechanical System” from 07-11 Sept. 2020, GBIET, Pauri-Garhwal, Uttarakhand.

PROFESSIONAL MEMBERSHIPS

1. Life member of Indian Society for Technical Education (**ISTE**), New Delhi.
2. Associate of The Institution of Engineers (India) (**AIE**), Kolkata.
3. Life member of Indian Institute of Industrial Engineering (**IIIE**), Mumbai.

POST AND RESPONSIBILITY

1. Worked as **Paper Setter** for B.Tech. students of M. D. University, Rohtak, G. J. University, Hisar , C.D.L. University, Sirsa Haryana and GNDU, Punjab, G.B.P.E.C Pauri Garhwal, Uttarakhand and H.N.B Garhwal Central University, Srinagar, Uttarakhand.
2. Acted as **Expert** for conducting practical examination in various Engg. Colleges of Haryana and Uttarakhand.
3. Acted as **Center Superintendent and Deputy Center Superintendent** for conducting University Examinations for B.Tech and M.Tech students in colleges.

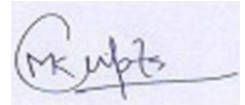
4. Acted as a **Hostel superintendent**, at TIT&S, Bhiwani, Haryana from 1/08/2007 to 25/06/2012.
5. Acted as **Anti Ragging Squad** from 2009 to 2011 at TIT&S, Bhiwani, Haryana.
6. Acted as **Member** for preparing AICTE compliance report of institute for the approval of new course at TIT&S, Bhiwani, Haryana.
7. Acted as **Member of Board of Studies** of M. D. University, Rohtak , Haryana. from 23/08/2007 to 23/08/2009.
8. Acted as **Member of Faculty of Engg. & Tech.** M.D University, Rohtak. Haryana, from 07/11/2008 to 4/11/2009.
9. Working as **Member of Board of Studies** of mechanical Engg. Deptt for designing and modification of syllabus for B.Tech and community college of H.N.B Garhwal Central University, Srinagar, Uttarakhand.
10. Acting as **Nodal officer of IT literacy** from 11/09/2014 for Mechanical Engineering Department students, H.N.B.Garhwal. University, Srinagar, Uttrakhand.
11. Acted as a **member of selection committee** for appointing Guest lecturer in Mechanical Engineering Department H.N.G.B.G.U.
12. Worked as a **member** of B.Tech. admission counseling committee.
13. Acting as **member of departmental purchase committees** of Mechanical Engineering Department for day to day department works.
14. Acting as **member of expert for community college** run under the department of Mechanical Engineering H.N.B.G University, Srinagar, Uttarakhand for purchase, taking lecture and day to day activities.
15. Worked as **N.S.S Programme Officer** from 11/04/2013 to 11/04/2016.
16. Worked as **Observer** in CTET, NET and JEE conducted by CBSE and NTA, New Delhi.
17. Member of **Students Grievances Redresses Cell** from 8/8/2017 at H.N.B.Garhwal University, Srinagar, Uttarakhand.
18. IQAC Coordinator from 07/07/2021 at H.N.B.Garhwal University, Srinagar, Uttarakhand.
19. Member of **Carrier Counseling and Placement Cell from 09/07/2021** at H.N.B.Garhwal University, Srinagar, Uttarakhand.

20. Worked as **Head of Department** from 26th.Sept.2017 to 26th Sept.2020.

21. Member of **NEP** from at H.N.B.Garhwal University, Srinagar, Uttarakhand.

22.Convener of conducting one day online programme on topic” Problem- Solution Fit and Product Market Fit” organized by IIC, HNB Garhwal University, Srinagar, Uttarakhand dated 12/03/2022.

23. Convener of B.Tech admission 2022 committee of HNB Garhwal University, Srinagar, Uttarakhand.

A handwritten signature in blue ink, appearing to read 'MK Gupta', is written on a light blue rectangular background.

(Dr. Manoj Kumar Gupta)