

Dr. Sanyam Sharma

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Qualification:

1. **Ph.D. (Mechanical Engineering):** from **Maulana Azad National Institute of Technology (NIT), Bhopal, in 2017. (Full time)**

2. **M.Tech. (Mechanical Engineering):** from **NIT Kurukshetra, in 2004. (Full time)**

3. **B.Tech. (Mechanical Engineering):** from **Kamla Nehru Institute of Technology, Sultanpur, UP in 1994, (UP State Government Engineering College-Affiliated to Awadh University Faizabad, UP.**

Experience summary: A total of 26+ years, out of which 17 years in teaching in engineering colleges, 4 years in research and 5 years in core Mechanical Engineering industries.

Academic/Research experience in engineering colleges:

1. Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur (Accredited A++ by NAAC, CGPA 3.78/4)
Designation: Working as Assistant Professor, in Mechanical Engineering Department. From: 30-10-2021 to till date.

2. Rajkiya Engineering College, Bijnor UP
Designation: Worked as Assistant Professor **(Guest faculty)** in Mechanical Engineering Department. From: 07-08-2019 to 28-10-2021.

3. IIMT University, Meerut
Designation: Worked as Head and Associate Professor in Mechanical Engineering Department. From: 10-10-2018 to 27-03-2019**.**

4. Shobhit University, Meerut
Designation: Worked as Head and Associate Professor in Mechanical Engineering Department. From: 21-09-2017 to 15-06-2018**.**

5. Research Experience: Worked as Ph.D. scholar in Mechanical Engineering, at Maulana Azad NIT Bhopal from 09-01-2014 to 01-09-2017.

6. Bharat Institute of Technology, Meerut
Designation: Worked as Associate Professor in Mechanical Engineering Department. From: 12-08-2010 to 10-01-2014.The department was looked after by me for one year with the capacity of Head.

7. Gyan Bharti Institute of Technology, Meerut
Designation: Worked as Assistant Professor in Mechanical Engineering Department.
Responsibilities: **Head of Department and Dean (Academic)**.
From: 19-08-2008 to 02-08-2010

8. Dr. K.N. Modi Institute of Engineering and Technology, Modinagar
Designation: Worked as Assistant Professor in Mechanical Engineering Department. (Department coordinator)
From: 10-08-2005 to 14-08-2008.

9. Shobhit Institute of Engineering and Technology, Meerut
Designation: Worked as a Lecturer. From: 28-08-2004 to 05-08-2005.

10. S.D. College of Engineering and Technology, Muzaffarnagar
Designation: Worked as Lecturer in Mechanical Engineering
From: 10-08-2000 to 22-08-2002

Industrial Experience:

1. ESSAR Steels Ltd. GOA (Aug 98-Oct 99)
ESL involves in production of steel Billets of different grades and of different section via continuous casting route. Worked as an Assistant Engineer in continuous casting machine and looked after for Production, Maintenance and operation of continuous casting machine.

2. Modern Steels Ltd. (August 95-July 98)
MSL involves in production of steel Billets of different grades and of different section via continuous casting route. Worked as an Assistant Engineer in continuous casting machine and looked after for Production, Maintenance and operation of continuous casting machine.

3. Eastman Cast and Forge Ltd. (June 94-June 95)
Joined as Engineer Trainee, during one year of training got familiarize with production and operation of machine shop.

International Publications:

1. Sanyam Sharma, Rahul Kumar and Harish Sharma, "Behavior of elliptical bearing with micropolar fluid: influence of ellipticity parameters", *Multiscale and Multidisciplinary Modeling, Experiments and Design*, **6 February 2024**, Accepted for publishing. **(SCOPUS Indexed)**
(SPRINGER Publications, Switzerland)

2. Sanyam Sharma and Rajiv Verma, "Stability analysis of Partial Journal Bearings lubricated with Micropolar fluid", *Industrial Lubrication and Tribology*, **2023**, 76(1), pp. 141-148. https://doi.org/10.1108/ILT-06-2023-0167. **(SCI Indexed)**
(EMERALD Publications, England, UK)

3. Sanyam Sharma, Sanjeev Lambha, Vinod Mittal, Rajiv Verma, "Micropolar lubricant effects on the performance of partial journal bearings", *Proceedings of IMechE- Part J: Journal of Engineering Tribology,* **2023,** 237 (7), pp. 1461-1470. https://doi.org/10.1177/13506501231161379 **(SCI Indexed)**
(SAGE Publications, London, UK)

4. Sanyam Sharma, CM Krishna and Rajesh Singh, "Analysis of elliptical dam bearing lubricated with micropolar fluid", *Industrial Lubrication and Tribology*, **2022**, 74(2), pp. 243-250. https://doi.org/10.1108/ILT-08-2021-0288 **(SCI Indexed)**
(EMERALD Publications, England, UK)

5. Sanyam Sharma and CM Krishna, "Static and dynamic performances of an offset bearing under micropolar lubricant", *Proceeding of IMechE- Part J*: *Journal of Engineering Tribology*, **2021**, 236(1), pp. 59-69. https://doi.org/10.1177/13506501211010034 **(SCI Indexed)**
(SAGE Publications, London, UK)

6. Sanyam Sharma and CM Krishna, "Dynamic stability of micropolar lubricated hydrodynamic Offset-halves Journal Bearings", *Proceeding of IMechE- Part J*: *Journal of Engineering Tribology*, **2020**, 235(2), pp. 245-255. https://doi.org/10.1177/1350650120936859 **(SCI Indexed)**
(SAGE Publications, London, UK)

7. Sanyam Sharma and Rajiv Verma, "Performance characteristics of two-lobe pressure dam bearings with micropolar lubrication", *Proceeding of IMechE- Part J*: *Journal of Engineering Tribology*, **2019**, 233(5), pp.805-819. https://doi.org/10.1177/1350650118806368 **(SCI Indexed)**
(SAGE Publications, London, UK)

8. Sanyam Sharma and CM Krishna, "Effect of L/D Ratio on the Performance of Two-Lobe Pressure Dam Bearing: Micropolar Lubricated", *Advances in Tribology*, Vol. **2015**, Article ID 182713, pp.1-7. https://doi.org/10.1155/2015/182713. **(Scopus Indexed).**
(HINDAWI Publications, England)

9. Sanyam Sharma, "Performance analysis of Circular bearing with finite element method", *International journal of contemporary research in engineering and technology*, 2018, 8(2), pp.34-36. **(UGC care).**

10. Sudhakar Jain and **Sanyam Sharma**, "Energy analysis for Indian households- An input- output Transaction model", *International journal of contemporary research in engineering and technology*, 2018, 8(2), pp.37-45. **(UGC care).**

11. Rajesh Singh, Priyanka Rai, Abhijit Mishra, Riya Mishra and **Sanyam Sharma**, "Perils and Perks Pertinent to Progressive Mobile Banking in reference to Quality Management aspect: Lean and Agile Approach", *Pacific Business Review (International)*, 2022, 14(7), pp.45-55. **(UGC care).**

12. Sanyam Sharma and CM Krishna, **"**Effect of dam location on the performance characteristics of Two -Lobe Bearing: Micropolar lubricated**"** *International Journal of Recent advances in Mechanical Engineering* (*IJMECH*), 2015, 4(1), pp. 77-90.
https://wireilla.com/engg/ijmech/papers/4115ijmech07.pdf

13. Sanyam Sharma and CM Krishna, "A Comparative Study of Performance of Two-Lobe Pressure Dam Bearing with Plain Two-Lobe Bearing: Micropolar Lubricated,**"** *International Journal of frontier in technology,* 2014, 1(1), pp.11-16.
http://www.manit.ac.in/sites/default/files/MNIT%20Journal%20September%20Bhopal.pdf

14. Sanyam Sharma, "Effect of Micropolar Parameters on Elastohydrodynamic Analysis of Circular Bearing," *International Journal of Scientific & Engineering Research*, 2012, 3(5), pp. 1-5.
https://www.ijser.org/researchpaper/Effect-of-Micropolar-Parameters-on-Elastohydrodynamic-Analysis-of-Circular-Bearing.pdf

15. Sanyam Sharma and SS Rattan, "Micropolar lubricant effects on the performance of a two-lobe bearing with pressure dam." *International Journal of Engineering Science and Technology,* 2010, 2(10), pp. 5637-5646.
https://www.ijest.info/docs/IJEST10-02-10-156.pdf

Paper presented and published in seminar/conferences:

1. Sanyam Sharma and Sanjiv Lambha **(2023),** "Impact of micropolar fluid lubrication on partial journal bearings" presented in National conference of science and Technology for all (NCSTA), held at Gurukul Kangri University, Haridwar seminar, on 19-03-2023.

2. Sanyam Sharma and C.M. Krishna **(2021)**, "Optimization of Micropolar Lubrication Parameters for a Two-Lobe Bearing using Taguchi based TOPSIS Method" presented in International conference [MMPM 2021], held at Maulana Azad National Institute of Technology, ***(NIT)*** Bhopal, MP on 15-16 September 2021.

3. Sanyam Sharma (2019), "*Elastohydrodynamic analysis of Two-Lobe Bearing with Micropolar Lubrication*" presented in National seminar (Emerging applications of smart materials-2019), held at IIMT University, Meerut, on 15-03-2019.

4. Sanyam Sharma (2018), "*Performance analysis of circular bearing with Finite element analysis*" presented in National conference (NANOTCON-2018) held at Shobhit University, Meerut, on 27-04-2018 to 28-04-2018.

5. Sanyam Sharma, CM Krishna and Rajiv Verma, **(2015)**, "*Analysis of whirling parameter of two-lobe pressure dam bearing with micropolar lubrication*" Published in the Proceeding of International Conference on advanced and agile manufacturing systems (ICAM-2015), pp. 253-255, 28-12-2015 to 29-12-2015, Department of Mechanical Engineering at Kamla Nehru Institute of Technology, (KNIT) Sultanpur.

6. Sanyam Sharma and CM Krishna, **(2014)**, "*Effect of eccentricity and step location on micropolar lubricated Two-lobe bearing*" Published in the Proceedings of International conference on *Aspects of Mechanical Engineering and Technology for Industry* (AMETI-2014), pp. 69-75, 06-12-2014 to 08-12-2014, Department of Mechanical Engineering, North Eastern Regional Institute of Science and Technology Nirjuli, Itanagar, NERIST, Arunachal Pradesh.

7. Md. Murshid, **Sanyam Sharma**, Mohammed Ali, **(2014)**, "Performance Analysis of Flexible Manufacturing System by ANOVA" Published in the Proceedings of 1st International Conference on Mechanical Engineering: Emerging Trends for Sustainability (IC MEETS-2014), pp. 764-772, 29-01 2014 to 31-01-2014, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, MP.

8. Paper presented on the topic "*Improvement in quality of continuous casting of steel using sensors*" in the National seminar (AMTS-2008), at ABES Engineering College Ghaziabad, on 02-02-2008.

9. Paper presented on the topic "*Reliability evaluation of spanner manufacturing system*" in All India seminar (QRMAES-2007), at NIT Hamirpur, on 27-12-2007.

10. Paper presented on the topic "*Failure mode analysis of Gears as an aid to maintenance*" in All India seminar at RIET, Ropar, on 08-09-2006.

11. Paper presented on the topic "*Advancements in casting and rolling using EMS and CSP*" in All India seminar at S.D. College of Engineering and Technology, Muzaffarnagar on 07-01-2006**.**

12. Paper presented on the topic "*Profile and flatness control in hot strip mill*" at KNIT, Sultanpur, on 05-03-1994.

Short Term Training Program Attended:

1. Five days short term training programme was attended on "*Role of New Product Development and Intellectual Property Rights in global Competitiveness*" during 14-10-2015 to 18-10-2015, at MANIT Bhopal, Madhya Pradesh.

2. Five days short term training programme was attended on "*Advanced Nanomaterials: Synthesis and Characterization* (*ANSC-2017)*" during 24-07-2017 to 28-07-2017, at MANIT Bhopal, Madhya Pradesh.

3. Five days on-line short term training course was attended on "*Smart manufacturing Technologies*" during 23-12-2020 to 27-12-2020, at MANIT Bhopal, Madhya Pradesh.

Faculty Development Program Attended:

1. Five days Faculty Development Programme was attended on the "*Advances in Product design and Manufacturing*" during 03-01-02017 to 08-01-2017, at MANIT, Bhopal, Madhya Pradesh.

2. Five days Faculty Development Programme was attended on the "*Cross cultural management*" during 13-02-2017 to 17-02-2017, at Rajkiya Engineering College, Azamgarh, Uttar Pradesh.

3. Seven days Faculty Development Programme was attended (on-line) on the "*Research trends in Mechanical Engineering*" during 13-06-2020 to 20-06-2020, at Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.

4. Three days Faculty Development Programme was attended (on-line) on the "Industrial d*esign, Innovation and Entrepreneurship"* during 01-12-2020 to 03-12-2020, at IIT Delhi.

5. Five days Faculty Development Programme was attended (on-line) on the "*Materials Processing and heat treatment*" during 11-01-2021 to 15-01-2021, at National Metallurgical Laboratory (NML), Jamshedpur.

Workshop attended/organized:

1. Two days workshop was organized on "*Innovative Technologies in Welding*" at Bharat Institute of Technology, Meerut, on 03-08-2014 to 04-08-2014.

2. Two days "*Working Model Exhibition*" was organized as a faculty coordinator held at zonal centre Rajkiya Engineering College, Bijnor, UP, from 15-11-2019 to 16-11-2019.

3. Two days, Student development programme was organized on the topic "*Latest Industrial updates on various softwares of Civil and Mechanical Engineering*" at, Rajkiya Engineering College, Bijnor, UP, from 28-01-2020 to 01-02-2020.

4. A one day lecture was attended (online) on the topic "*Advanced material processing*" at Narasarapoeta Engineering College, Andhra Pradesh on 04-06-2020, (In association with National Metallurgical Lab (NML), Jamshedpur).

5. An expert lecture was organized (online) on the topic "*An introduction to materials for structure application*" at Rajkiya Engineering College Bijnor, UP, on 14-12-2020

Membership: Life member of "Indian Society for Technical Education" (ISTE)

Skill Profile:

C++, Java (Basics level)
MATLAB (intermediate level)
Uni-graphics Software (Basic level)

Referee contact information:

Dr. C.M. Krishna (Professor)
Mechanical Engineering
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Dr. Rajiv Verma (Associate Professor)
Mechanical Engineering
National Institute of Technology, Kurukshetra, Haryana, India
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Electrical Engineering
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Personal details:

Date of Birth	:	08-01-1970
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