

## **Curriculum Vitae**

(Updated till December 2024)



**Dr. Govind Sharan Dangayach**

B.E. (Hons), M.Tech. (IITD), Ph.D. (IITD), FIE, LMISTE, LMISME, LISE, LPSSI, SMIACSIT, SMIIIE

### **Professor - HAG**

Department of Mechanical Engineering

#### **Chief Vigilance Officer**

**Formerly: Dean (Planning & Development)**

**Formerly: Dean (Research & Consultancy)**

**Head of Mechanical Engineering Department (2015-2018)**

**Head of Department of Management Studies (2012-2014)**

**Chief Nodal Officer, NIRF Ranking**

**NBA Expert, MoE, Govt of India**

Malaviya National Institute of Technology Jaipur (India)

### **ISO/TS 14071 Reviewer**

**Chairman, Institution of Engineers (India), Rajasthan State Center (2014-16)**

**Hony. Secretary, Institution of Engineers (India), Rajasthan State Center (2010-12)**

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**Vidwan id link:** <https://vidwan.inflibnet.ac.in/profile/60485>

**Scopus Id Link:** <https://www.scopus.com/authid/detail.uri?authorId=6602382930>

**Microsoft Academic Search Id Link:** <https://academic.microsoft.com/author/1909633602/p>

**Google Scholar Id Link:** [https://scholar.google.com/citations?user=Ek-\\_8vkAAAAJ&hl=en&oi=ao](https://scholar.google.com/citations?user=Ek-_8vkAAAAJ&hl=en&oi=ao)

**Education:**

Ph.D. Indian Institute of Technology Delhi, Production and Industrial Engg, 2001.  
M.Tech. Indian Institute of Technology Delhi, Production Engineering, 1994  
B.E. M.B.M. Engineering College, Jodhpur, Mechanical Engineering, 1985.

**Experience:** 39 Years 6 Months (As of Dec 2024)

**Teaching** – 36 Years 11 months (Since January 1988)

**Industry** – 2 Years 7 Months

**Academic Assignments**

- **Foreign Assignment:** -
  - Visiting Professor at **DHBW Mosbach, Germany** since 2014
  - **Visiting Professor at “School of Management”**, Asian Institute of Technology, Bangkok for **January 2005 term deputed by MHRD, Govt. of India.**
- **Domestic Assignments:** -
  - Visiting Professor at **IIM Khozicode, IIM Shillong, Leeds Met. India Bhopal**
  - Invited as expert to review doctoral candidates at GTU on 21 March, 2014
  - Ph.D. Thesis Examiner at IIT Roorkee (3 Nos.)
  - Ph.D. Thesis Examiner at BITS Pilani (3 Nos.)
  - Ph.D. Thesis Examiner at VJTI Mumbai
  - Ph.D. Thesis Examiner at NIT Warangal, NIT Trichy, NIT Kurukshetra, NIT Hamirpur, NIT Patna, SVNIT Surat
  - Ph.D. Thesis Examiner at Rashtrasant Tukadoji Maharaj Nagpur University
  - Ph.D. Thesis Examiner at Devi Ahilya Vishwavidyalaya, Indore
  - Ph.D. Thesis Examiner at GITAM University, Vizag
  - Ph.D. Thesis Examiner at Vel Tech University, Chennai
  - Ph.D. Thesis Examiner at Punjab Technical University
  - Ph.D. Thesis Examiner at Gadge Baba University, Amravati
  - M.Tech Dissertation Examiner at NIT, Kurukshetra (3 Nos.)
  - M.E. Dissertation Examiner at MBM Engg. College, Jodhpur (3 nos)
  - M. Tech. Dissertation Examiner at Rajasthan Technical University (5)

**Awards & Honors**

- Member of Selection Committee at NIT Jamshedpur, and NIT Hamirpur
- Member of Selection Committee at UPSC, New Delhi; UPPSC Prayagraj; and HPPSC Shimla
- Panelist in the session “Customer Engagement Meet” for “Integrating LCA in Business Strategy” at 4th Annual Customer Engagement Meet of Sphera India at Radisson Mumbai Andheri MIDC

(2018)

- Editor in chief of an International Journal, Manufacturing Technology & Research (ISSN No. 0973-0281) Published biannually since 2005.
- Member of meeting organized for granting Career Advancement Scheme (CAS) benefits (6000-7000) under 6th Pay scale to the regular faculties working in Engineering College, Bharatpur.
- Cited in the list of **TOP 20 prolific researchers of the world** in the area of Operations Strategy in the recent publication of **IJOPM** in 2015
- Member of jury in “Tech-Expo’2014” on 5 April 2014 to assess projects submitted by the students of various institutes.
- Nominated as **Member of Board of Management (BOM) of Rajasthan Technical University**, Kota by Govt. of Rajasthan for three years since 2014
- Elected **Chairman of The Institution of Engineers, Rajasthan State centre** for the session 2014-2016
- Nominated as **Member of Selection Committee of Rajasthan Technical University**, Kota by Govt. of Rajasthan
- Council Member of The Institution of Engineers (India) during 2014-16
- Nominated as AICTE representative in the Expert Committee of UGC for visit to The Al-Falah University, Dauj, Faradabad -121004, Haryana
- Nomination of AICTE representative in the Expert Committee of UGC for visit to DAV University (Private University), Sarmastpur, Jalandhar (Punjab)
- Nominated as Member of Committee for Advancement of Technology & Engineering (CATE) of The Institution of Engineers (India) for session 2015-16
- Nominated as Member of All India Student’s Committee (AISC) of The Institution of Engineers (India) for session 2015-16
- Nominated as Member of National Languages Promotional Committee (NLPC) of The Institution of Engineers (India) for session 2015-16
- Member of BOS of The Institution of Engineers (India) for session 2015-16
- Co-opted as Member of Production Engineering Division Board, The Institution of Engineers (India), for terms 2013-14, 2014-15, 2015-16
- Member of committee for mock exercise of accreditation of Civil Engg dept MNIT Jaipur.
- Won 2011 Emerald/IAM Research Fund Award
- Member of 50 NBA Teams as an Expert for tier-1 & tier -2 institutions
- Member of AICTE team as expert
- Chaired a panel on 11 April 2014 during 4<sup>th</sup> National conference “Data analytics and business intelligence emerging paradigms” at international school of Informatics and Management, Jaipur.
- Member of **Expert Committee** of IGNOU for new course development titled **Operations and**

### **Technology Strategy for MBA students**

- Chaired a session in ICIE 2013 at Cape town on 20 Nov 2013
- Guest of Honour in the Inaugural Function of FDP on Entrepreneurship Development at BIT Mesra (Jaipur Center) on 15 Jan, 2013.
- Best Case Study award 2012-13 by Indian Institution of Industrial Engineering to our paper published in Industrial Engineering Journal
- Member of BOS at Atal Bihari Vajpayee Hindi Vishwavidyalaya, Bhopal
- Member of BOS at JK Lakshmipat University, Jaipur
- Member of BOS at JECRC University, Jaipur
- Member of BOS at Suresh Gyan Vihar University, Jaipur
- Member of BOS at Poornima University, Jaipur
- Appointed Hony. Secretary, Rajasthan State Center, The Institution of Engineers (India), for the term 2010-2012.
- Member of Production Engineering Division Board, The Institution of Engineers (India), for term 2011-12
- Chairman of a Technical session on "Engineering, Informatics & Management - II" in 3<sup>rd</sup> MEI International Conference held in Orlando (Florida), USA during July 8-11, 2007.
- Member of Committee of Rajasthan State Centre, The Institution of Engineers (India) for sessions 2006-08, and 2008-2010.
- Biography published in 7<sup>th</sup> edition (2004) of "Marquis World's Whos & Who In Science & Technology", New Jersey, USA
- Member of „Syllabi Revision Committee" of The Institution of Engineers (India), Kolkata.
- Member of Syllabus Framing Committee for Lecturer in Mechanical Engineering, Technical Education Dept., Rajasthan Public Service Commission in 2007
- Convener of Production Engineering Division of Rajasthan State Centre, The Institution of Engineers (India)
- Best Paper Award and Certificate of Merit for 1996-97 by Institution of Engineers (India)

### **Administrative Experience**

#### **(a) Institute Level:**

- **Chief Vigilance Officer**
- **Dean, Planning & Development**
- **Dean, Research & Consultancy**
- **Chief Nodal Officer, NIRF Ranking**
- Coordinator, Admission, Registration, Results, & Convocation
- Coordinator, Entrepreneurship Development Cell

- Officer In charge (UG)
- Member, CCMT 2012 team
- Nodal Officer (Academic), TEQIP
- Dy. Center Incharge, AIEEE 2010
- Faculty In charge, Central Computer Center Lab. 1
- Administrative Warden Hostel No. 5 and 3
- Coordinator, Planning Cell
- Coordinator, Annual Report
- Faculty Advisor ISTE Students Chapter
- Member of committee for academic collaboration with University of Illinois USA vide order no: 139 dated 2-5-2014
- Member of committee for skill development of MNIT students vide order no: Dean FW/MNITJ/2014/4
- Member of committee to suggest sustainability of MRC
- Members of Committee for Vision Document
- Member of Committee for Detailed Project Report
- Member of Committee for Scrutinizing Research Proposals
- Member of DFB in Department of Management Studies
- Member of DGC for Research Scholars of various deptt.
- Co-coordinator Gown Committee for I & II Convocations
- Member Library Coordination Committee
- Member of Committee for AICTE Compliance & progress report
- Member of Committee for Printing of Information Brochure
- Member of AIEEE Counseling team
- Observer for AIEEE examination 2006 at Kanpur
- Member of Committee for Write off of equipments
- Compiled & Edited "UG Courses of Study"
- Compiled & Edited "Institute Prospectus"
- Compiled & Edited "Ph.D. Ordinances"

**(b) Department Level:**

- Head, Department of Mechanical Engineering
- Head, Department of Management Studies
- Convener, Curriculum Development Workshop
- Convener, M. Tech. (MSE)
- Officer In charge CAD Lab.

- Departmental Coordinator, Library
- PG Coordinator of Mech. Engg. Deptt
- O/C Time Table of Mech. Engg. Deptt.

### **Membership of Professional Societies**

1. Fellow Member of Institution of Engineers (India) (Membership No. F 112989-5)
2. Life Member of Indian Society of Technical Education (Membership No. LM 5307)
3. Life Member of Indian Society of Mechanical Engineers (Membership No. L 328)
4. Life Member of Plasma Science Society of India (Membership No. L 844)
5. Life Member of Indian Society of Ergonomics (Membership No. L 319)
6. Sr. Member of International Association of Computer Science & Information Technology (IACSIT Membership No. 80343652)
7. Sr. Member of Indian Institute of Industrial Engineering (SM-9924-45)

### **Editorship**

- Guest Editor of **Production Planning & Control** published by Taylor & Francis (SCI listed International Journal)
- Guest Editor of **International Journal of Manufacturing Technology & Management (IJMTM)** for Special Issue on "Manufacturing Strategy"
- Guest Editor of **International Journal of Business Performance Management (IJBPM)** for Special Issue on "Manufacturing Strategy"
- Guest Editor of **International Journal of Precision Technology (IJPTECH)** for Special Issue on "Sustainable Manufacturing in Precision Technology"
- Associate Editor of **Journal of Micro Manufacturing** Published by Sage
- On Editorial board of **International Journal of Business & Systems Research (IJBSR)**
- On Editorial board of **International Journal of Global Business and Competitiveness (IJGBC)**
- On Editorial board of **West Indian Journal of Engineering**
- Editor of **Journal of Entrepreneurship**
- Edited proceedings of **28<sup>th</sup> National Convention of Production Engineers, 2013**
- Edited proceedings of **27<sup>th</sup> National Convention of Mechanical Engineers, 2011**
- Edited proceedings of **26<sup>th</sup> National Convention of Production Engineers, 2011**
- Edited Proceeding of **All India Seminar** on "New Vistas in Manufacturing"

**Reviewer**      Reviewer of **Forty Four** International Journals

- ☐ International Journal of Operations and Production Management (IJOPM)
- ☐ International Journal OMEGA

- ☐ International Journal of Production Research (IJPR)
- ☐ Production Planning & Control (PPC)
- ☐ Journal of Management Studies (JMS)
- ☐ International Journal of Production Economics (IJPE)
- ☐ Global Journal of Flexible Systems Management (GJFSM)
- ☐ West Indian Journal of Engineering (WIJE)
- ☐ Journal of Manufacturing Technology Management (JMTM)
- ☐ International Journal of Manufacturing Technology and Management (IJMTM)
- ☐ International Journal of Business Performance and Management (IJBPM)
- ☐ Cleaner and Circular Bioeconomy
- ☐ Cogent Engineering.
- ☐ Journal of Modelling in Management
- ☐ Sustainability
- ☐ International Journal of Global Business and Competitiveness (IJGBC)
- ☐ International Journal of Precision Technology (IJPTech)
- ☐ Cogent Business and Management
- ☐ Resources, Conservation & Recycling
- ☐ Technology Analysis and Strategic Management
- ☐ Information Sciences
- ☐ Management Research News (MRN)
- ☐ International Journal of Simulation and Process Modelling (IJSPM)
- ☐ International Journal of Globalization and Small Business (IJGSB)
- ☐ International Journal of Product Development (IJPd)
- ☐ International Journal of Business in Emerging Market (IJBEM)
- ☐ International Journal of Enterprise Network Management (IJENM)
- ☐ Journal of Industrial Engineering and Management (JIEM)
- ☐ International Journal of Quality & Reliability Management (IJQRM)
- ☐ International Journal of Environmental Technology and Management (IJETM)
- ☐ International Journal of Materials and Product Technology (IJMPT)
- ☐ International Journal of Indian Culture and Business Management (IJICBM)
- ☐ International Journal of Internet Manufacturing and Services (IJIMS)
- ☐ International Journal Current Science
- ☐ International Journal of Business & Systems Research (IJBSR)
- ☐ Journal of Engineering Manufacture (JEM)
- ☐ Materials Research (MR)
- ☐ Materials Today
- ☐ Environmental Development

- ❑ Cleaner Logistics and Supply Chain
- ❑ Sustainable Manufacturing and Service Economics
- ❑ International Journal of Environmental Research and Public Health
- ❑ Heliyon
- ❑ Sustainable Development

### **Invited/Prominent Lectures**

- Delivered Keynote Lecture on Sustainable Manufacturing in International Conference on Evolution in Manufacturing (ICEM - 2020) at MNIT Jaipur (Dec-2020)
- Delivered Expert Lecture on Life Cycle Assessment in Online Short-Term Training Program (STTP) on "Sustainable Manufacturing for Atma-Nirbhar Bharat" at MNIT Jaipur (2020)
- Delivered Expert Lecture on Sustainable Manufacturing at JSS Academy of Technical Education Noida, UP (Dec-2020)
- Delivered Expert Lecture on Entrepreneurship at JECRC Foundation Jaipur (Sep-2020)
- Delivered Expert Lecture on Quality Control for Manufacturing at JECRC Foundation Jaipur (Sep-2020)
- Delivered Expert Lecture on Laser Beam Machining at Government Engineering College, Banswara (Sep-2020)
- Delivered Expert Lecture on Sustainable Materials at JSS Academy of Technical Education Noida, UP (Dec-2020)
- Delivered Expert Lecture on Life Cycle Assessment at PCE Jaipur (Dec-2020)
- Delivered Expert Lecture on Evolution of CIM at Arya College of Engineering & IT Jaipur (Dec-2020).
- Delivered Expert Lecture on manufacturing Strategy at JECRC Foundation Jaipur (Sep-2020)
- Delivered Expert Lecture on Additive Manufacturing at Govt. Engineering College Almora, Uttarakhand (Sep-2020)
- Delivered Expert Lecture on Life Cycle Assessment at SBCET Jaipur (Sep-2020)
- Delivered Expert Lecture on Multi Criteria Decision Making at SBCET Jaipur (Sep-2020)
- Delivered Expert Lecture on ANOVA at SBCET Jaipur (Sep-2020)
- Delivered Expert Lecture on Rural Entrepreneurship at JECRC Foundation Jaipur (Sep-2020)
- Delivered Expert Lecture on Industry 4.0 at PCE Jaipur (Sep-2020)
- Delivered Expert Lecture on Data Statistics in FDP at Center for Electronic Governance (CEG), Jaipur at Jaipur (Feb-2020)
- Delivered Expert Lecture on Robotics at Arya College of Engineering & IT Jaipur (Dec-2020)



- Delivered Expert lecture in AICTE-QIP Sponsored one week short term course on “Advances in Manufacturing and Industry 4.0” at Department of Mechanical Engineering of Government College of Engineering Amravati. (2019)
- Delivered Expert lecture on Manufacturing in Industry 4.0 age in AICTE sponsored one week workshop on 'Industry 4.0' at Malaviya National Institute of Technology Jaipur. (2019)
- Acted as resource person for three days for AICTE Sponsored two week FDP on Green and Sustainable Technologies for Materials Manufacturing and Processing at Department of Mechanical Engineering Prasad V. Potluri Siddhartha Institute of Technology (Autonomous) Kanuru, Vijayawada, Andhra Pradesh. (2019)
- Delivered Expert lecture on “Types of research, Formulation of research problem and report writing” in one week short term course on “research methodology” (Under Twinning Program of TEQIP-III Project in Collaboration with MNIT Jaipur and SLIET, Longowal) at National Institute of Technology, Uttarakhand. (2019)
- Delivered Expert lecture on “Hypothesis Testing” in one week short term course on “research methodology” (Under Twinning Program of TEQIP-III Project in Collaboration with MNIT Jaipur and SLIET, Longowal) at National Institute of Technology, Uttarakhand. (2019)
- Delivered Expert lecture on “Literature Review & Data Collection” in one week short term course on “research methodology” (Under Twinning Program of TEQIP-III Project in Collaboration with MNIT Jaipur and SLIET, Longowal) at National Institute of Technology, Uttarakhand. (2019)
- Delivered Expert lecture on Decision Tree Analysis at Government Engineering College Bharatpur sponsored by TEQIP – III (2020).
- Delivered Expert lecture on Data Analytics at Government Engineering College Banswara sponsored by TEQIP – III (2019).
- Delivered Expert lecture on Recent advancements in Mechanical & Industrial Engineering at Rajkiya Engineering College, Azamgarh, Uttar Pradesh (2019)
- Delivered Expert lecture on Concept, Significance and Learning of Project Work at Govt. college of Engineering & Technology Bikaner (2019)
- Delivered Expert lecture on IPR in Academics at Govt. college of Engineering & Technology Bikaner (2019)
- Delivered Expert lecture on Quality System Engineering in TEQIP-III sponsored Two days Workshop on Computational and Statistical Research Techniques in Engineering at Department of Mechanical Engineering, CTAE, Udaipur. (2018)
- Delivered Expert lecture on Time Management in TEQIP-III sponsored Two days Workshop on Computational and Statistical Research Techniques in Engineering at Department of Mechanical Engineering, CTAE, Udaipur. (2018)

- Delivered expert talk in FDP Session on the theme “Teaching pedagogy for 21st Century” at university of Engineering and Management Jaipur. (2019)
- Delivered Expert lecture on Data Statistics during one week FDP at Center for Electronic Governance (CEG), Jaipur (2020).
- Delivered Expert lecture on “Application of Statistics in Experimental Techniques” in a Short Term Course (STC) organized by NITUK and MNIT Jaipur under TEQIP-III project. (2019)
- Delivered Guest lecture on "Role of Supply Chain Management" at Institute of Business Management, GLA University, Mathura (2019)
- Delivered Expert lecture on Recent Advances in Mechanical Engineering in TEQIP-III RTU, ATU sponsored three days FDP titled: Recent Advances in Mechanical Engineering at Global Institute of Technology Jaipur (2019)
- Delivered guest lecturer in ABES Engineering College, Ghaziabad on the broad area of "Sustainable Manufacturing" (2019)
- Delivered invited talk on *Disaster Supply Chain Management* in the Symposium on *Disaster Management & Risk Analytics under Big Data Paradigm* at Indian Statistical Institute, Kolkata on 20 feb., 2016
- Delivered invited talk on Sustainable Manufacturing at Govt. Engg. College, Ajmer on 25 November, 2015
- Delivered Invited talk on ‘Time Management and Six Sigma’ on 17th April, 2015 at Deenbandhu Chhotu Ram University of Science and Technology Murthal, Sonapat
- Delivered key note address on 11 April 2014 on “Nano technology- Some issues and application” in national conference during 11-12 April 2014 at Regional Engineering College, Jaipur
- Delivered Key Note address at NITTTR Chandigarh on 23 May, 2013 during National Conference on Advances in Manufacturing Technology
- Delivered Key Note address on “Sustainability: Role of Business Ethics” at IIM Shillong during International Conference on Sustainability in November 2010.
- Expert Lecture on “Supply Chain Management” at Medway School of Engineering, Greenwich University, London in February 2009.
- Institute wide Seminar on “Time Management” at Asian Institute of Technology, Bangkok in April 2005.
- Expert Lectures on “Time Management” at Surya Nepal Pvt. Ltd. (ITC), Simara, Nepal in October 2005.
- Delivered Invited Lectures on “Manufacturing Strategy” in UGC Refresher course on “Manufacturing Excellence” at BITS Pilani in Dec. 2005
- Delivered Key Note Address on “Advanced Manufacturing Technology: An Overview” in the All

India Seminar on “Advances in Production Engineering: Vision 2020” held at

- Institution of Engineers, Rajasthan State Center, Jaipur during Dec.30-31, 2005.
- Delivered Invited Lectures on “Manufacturing Strategy” in UGC Refresher course on “World Class Manufacturing” at BITS Pilani in 2003

### **Outreach/Institutes visited**

- Visited IIT Roorkee as Ph.D. Thesis Examiner
- Visited UPSC New Delhi several times as Member of Selection Committee for IES, Other central govt. Gazetted officers
- Visited NIT Trichy, NIT Warangal, NIT Hamirpur, & NIT Meghalaya as Ph.D. Thesis Examiner
- Visited NIT Jamshedpur, NIT Hamirpur, NIT Sikkim as Member of Selection Committee
- Visited UPPSC Prayagraj, BPSC Patna, & HPPSC Shimla as Member of Selection Committee
- Visited G. B. Pant Institute of Engineering & Technology (A Government Autonomous Institute) Pauri Garhwal. Uttrakhand for meeting of selection of faculty for CAS position.
- Visited VEL TECH, No. 60 Avadi, Vel-Tech Road, Avadi, Chennai- 600 062, Tamil Nadu from 16th to 18th August, 2019
- Visited Gayatri Vidya Parishad College for Degree & PG Courses, Yendada, Rushikonda, Visakhapatnam, Andhra Pradesh- 530045 from 27th- 29th December, 2019
- Visited Agni College of Technology, Old Mahabalipuram Road IT Highway, Near Navalur Thalambur, Kancheepuram District, Chennai-603 103, Tamil Nadu, 28-30 June, 2019
- Visited Government College of Engineering & Technology, Chak Bhalwal, Chak Bhalwal, Jammu-181122, Jammu & Kashmir from 26th to 28th April, 2019
- Visited Madan Mohan Malaviya University of Technology, Gorakhpur- 273 010, Uttar Pradesh, 16.3.2019
- Visited B. S. Abdur Rahman Crescent Institute of Science and Technology, Seethakathi Estate, G.S.T. Road, Vandalur, Chennai 600048, Tamil Nadu from 22nd to 24th February, 2019
- Visited Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore-560 078, Karnataka from 26th to 28th October, 2018
- Visited Basaveshwar Engineering College, S. Nijalingappa Vidyanagar, Bagalkot-587 102, Karnataka from 28th to 30th September, 2018
- Visited Sri Jayachamarajendra College of Engineering, JSS Technical Institutions Campus, Mysore-570 006, Karnataka from 20th – 22nd April, 2018

- Visited Hindusthan Institute of Technology, Othakkalmandapam (Post), Coimbatore - 641032 Tamil Nadu from 27th -29th July 2018
- Visited New Horizon College of Engineering, Ring Road, Kadubisanahalli, Bellandur Post, Near Marathalli, Bangalore- 560 103, Karnataka from 18th to 20th May, 2018
- Visited K. E. Society's Rajarambapu Institute of Technology, Rajarnanagar, Tal. Walwa, Dist.Sangli-415414, Maharashtra from 27th to 29th October, 2017
- Visited Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram Bandstand, Bandra (W), Maharashtra- 400050 from 22nd to 24th September, 2017
- Visited Vignan Institute of Technology and Science, Telangana as NBA expert for accreditation during 12-14 May, 2017.
- Visited Birla Institute of Technology, Mesra, Ranchi, as NBA expert for accreditation during 7-9 April, 2017.
- Visited Holy Mary Institute of Technology & Science, Telangana as NBA expert for accreditation during 27-29 January, 2017.
- Visited Pranveer Singh Institute of Technology, Kanpur, as NBA expert for accreditation during 22-24 July, 2016.
- Visited E.G.S. Pillay Engineering College, Nagapattinam, Tamil Nadu, as NBA expert for accreditation during 17– 19 June, 2016.
- Visited B.S. Abdur Rahman University, Chennai as NBA expert for accreditation during 15-17 April, 2016.
- Visited SLIET, Longowal, Sangrur as NBA expert for NBA Accreditation during 20-22 Nov., 2015
- Visited Gyan Ganga Institute of Tech. & science, Jabalpur NBA Accreditation 18-20 Sep 2015
- Visited The Al-Falah University, Dauj, Faradabad as AICTE representative in the Expert Committee of UGC
- Visited Centre for Computer and Communication Tech, (CCCT), Nanugaun, Sikkim and Advanced Technical Training Centre, Bardang, East Sikkim (Sikkim) on 29th & 30th December, 2014 as performance auditor of NEQIP
- Visited Government College of Engineering Vidyanagar, Bhavnagar, Gujarat as NBA expert for NBA Accreditation during 5-7 Sep., 2014.
- Visited Maharashtra Institute of Technology, Pune as NBA expert for NBA Accreditation during 01st – 03rd August, 2014
- Visited DAV University, Jalandhar as AICTE representative in the Expert Committee of UGC in July 2014

## Conferences/Workshops/Short Term Courses organized/attended

- Organized an *International Conference on Application of Recent Technologies in Science, Engineering, Management for Societal and Industrial Development (ICASEM 2024)* as General Chair during 11-13 January, 2024; jointly with University of Mauritius (UoM) and Mody University, at Lakshmangarh.
- Organized an *International Conference on Advanced Research in Industrial & Manufacturing Applications (ICARIMA-2022)* as General Chair during 13-14 October, 2022; jointly with University of Mauritius (UoM) at Mauritius.
- Convener of a TEQIP III sponsored Short Term Course on "Life Cycle Analysis for Sustainability" during June 10th - 14th, 2019 at MNIT Jaipur.
- GIAN course on Introduction to Sustainable Manufacturing during Dec.19-23, 2016 at MNIT Jaipur
- Attended 3<sup>rd</sup> World Summit on Accreditation (WOSA) at New Delhi during 18-20 March, 2016
- Invited to attend Orientation Workshop of NBA evaluators at India Habitat Centre, New Delhi on 16 November, 2015
- Participated in 11<sup>th</sup> FICCI Higher education summit 2015 at New Delhi during 3-4 November, 2015
- Attended Int. conf. WOSA-2014 on accreditation during 8-12 March 2014 at New Delhi
- Organizing Chairman of **National Conference on Sustainable Manufacturing** held during 2-3 January, 2015 at MNIT Jaipur
- Attended 10<sup>th</sup> FICCI Higher education summit 2014 at New Delhi during 12-14 November, 2014
- Participated in International Conference on Industrial Engineering (ICIE 2013) & presented a paper at Capetown during 20-21 November, 2013.
- Organizing Secretary of **28<sup>th</sup> National Convention of Production Engineers, held during 4-5 May, 2013**
- Organized Faculty Development Program at Govt. Engineering College, Ajmer for faculty of various Engineering colleges in **May 2012**
- Organizing Secretary of **27<sup>th</sup> National Convention of Mechanical Engineers, held during 3-4 Sep, 2011**
- Organizing Chairman of **26<sup>th</sup> National Convention of Production Engineers, held during 7-8 May, 2011**
- Organized **Eight** Entrepreneurship Awareness Camps at various Engineering colleges of Rajasthan during 2011-12 as coordinator
- Convener of One week Infosys Campus Connect Program on "Soft Skill Development", held during 23<sup>rd</sup> to 27<sup>th</sup> February **2009** at MNIT Jaipur.

- Convener of One week short term course on “Personality Development Program”, held during 28<sup>th</sup> to 1<sup>st</sup> August **2008** at MNIT Jaipur.
- Coordinator of a Two weeks MHRD/AICTE faculty development program on “Developing Teaching Skills in Management Courses”, held during 14<sup>th</sup> to 25<sup>th</sup> July **2008** at MNIT Jaipur.
- Convener of One week short term course on “Basics of Computer for socially oppressed children of Bal Ashram, Virat Nagar, Rajasthan”, held during 2<sup>nd</sup> to 6<sup>th</sup> June **2008** at MNIT Jaipur.
- Convener of One week short term course on “Spoken English”, held during 26<sup>th</sup> to 30<sup>th</sup> May, **2008**.
- Organizing Secretary of All India Seminar on “New Vistas in Manufacturing”, held during Jan. 5-6, **2008** at Rajasthan State Center, The Institution of Engineers, India.
- Co-Convener of “Curriculum Structure Development Workshop” on 3<sup>rd</sup> December **2007** at MNIT Jaipur
- Convener of All India Seminar on “Automation & Advances in Manufacturing Strategies”, held during Jan. 27-28, **2007** at Rajasthan State Center, The Institution of Engineers, India.
- Associated as Member of Organizing Committee (Registration & Accommodation) for
- International Symposium on „Desalination & Water Purification: Water Resources & their Management” at Jaipur during March 20-21, **2006**.
- Organizing Secretary of All India Seminar on “Advances in Production Engineering: Vision 2020”, held during Dec. 30-31, **2005** at Rajasthan State Center, The Institution of Engineers, India.
- Convener of National Seminar on “Performance Excellence in Technical Advancement” on March 21, **2002** at Malaviya Regional Engineering College Jaipur.
- Member of Organizing Committee for National Workshop on “Opportunities in IT Enabled Services” on March 16, **2002** at Malaviya Regional Engineering College Jaipur.

## Teaching Innovation

During my Ph.D. I have taken Lecture/Tutorial/Practical classes of B. Tech./M.Tech. students at IIT Delhi. Key techniques used by me in teaching after IIT exposure are:

- Use of Research articles for lectures
- Giving details of sources of every lecture to the students
- Use of Case Study methodology

## Research Contribution

**Areas:** Manufacturing Strategy, Advanced Manufacturing Technologies, Supply Chain Management, Performance Measurement, Project Management, Sustainable Manufacturing

**Ph.D. Topic:** Some Issues in Manufacturing Strategy – A Select Study of Indian Manufacturing Companies

**Ph.D. Supervision:** 30 (25 Awarded, 5 in process)

**M.Tech. Dissertation Guided:** 65

**Ph.D. Thesis Supervision by Dr. G. S. Dangayach**

S. No.	Name of Student	Title of Thesis	Year of Registration	Status
1	A. D. Sharma	Advanced Manufacturing Technologies: A Multi Sector Study of Indian Manufacturing Companies	Jan. 2004	Awarded in 2007
2	R. P. Rajoria	Failure Analysis of Antifriction Bearings	Jan. 2004	Awarded in 2008
3	Anupam Krishna	Service Failures & Recovery: Some Issues and challenges	Jan. 2008	Awarded in 2012
4	Piyush Mishra	Project Success & Failures: Some Issues & Challenges	Jan. 2008	Awarded in 2012
5	Alok Mathur	Some Issues in Performance Measurement: A Select Study of Small & Medium Manufacturing Organizations (SMMO)	July 2008	Awarded in 2013
6	Ajeet Singh Poonia	Investigation & Prevention of Cyber Crime in Indian Perspective	July 2006	Awarded in 2013
7	Jinesh Jain	Some Issues in IT Enabled Supply Chain Management : A Study of Indian Manufacturing Firms	July 2006	Awarded in 2013
8	M. L. Meena	Ergonomic Evaluation and Design of New Work System in Handicraft Industry	July 2008	Awarded in 2014
9	Sumit Gupta	Some issues in Sustainable Manufacturing: A Select Study of Indian Manufacturing Companies	Jan 2013	Awarded in 2016
10	Deepak Kumar	Optimization of Process Parameters in Plastic Injection Moulding for Virgin and Composite Materials	July 2012	Awarded in 2017
11	Bhavna Mathur	Supply Chain Performance Measurement in Health Care Industry	July 2012	Awarded in 2018
12	Manish Jindal	Study of Institutional Promoted Entrepreneurship Development in India	July 2013	Awarded in 2019
13	Hansini Premi	A study on buying behavior and development of marketing strategies for green products	July 2014	Awarded in 2019
14	Umesh Chaturvedi	Sustainability trends and practices In indian pharmaceutical industry	July 2014	Awarded in 2019
15	Gaurav	Investigations on Sustainable Machining of Ti–6Al–4V using Nanofluid Minimum Quantity Lubrication	July 2016	Awarded in 2022
16	Jai Narain	Safety aspects in Indian Industries	Dec. 2016	Awarded

				in 2021
17	B D Gidwani	Some Issues In Productivity Improvement: A Select Study of Automotive Sector Companies	July 2010	Awarded in 2018
18	Alok Khatri	Managing agility in Indian manufacturing industries	July 2011	Awarded in 2018
19	Punyasloka Patnaik	Assessment and Optimization of Textile Wastewater Management for Environmental Sustainability in India	July 2016	Awarded in 2019
20	Sanjay Singh	Investigation on welding of high strength low alloy steel with advance submerged arc welding (ASAW) process.	July 2017	Awarded in 2022
21	Amit Vishwakarma	Investigation of Sustainable supply chain management practices in Indian healthcare textile industries.	July 2018	Awarded in 2023
22	Nikhil yadav	Investigation of musculoskeletal disorder of workers and ergonomic analysis of workplace and tools in foundry industry	July 2018	Awarded in 2024
23	Arun Goyal	Tribological characterization simulation and biomechanical function of artificial knee joint	July 2018	Awarded In 2024
24	Alok Bihari Singh	Assessment of Sustainability Practices in Hospitality Sector: A Select Study of Indian Hotel Industry	July 2019	Awarded In 2024
25	Puneet Sharma	Experimental Analysis of Physical, Mechanical and Tribological characteristics of Natural Fiber Reinforced Polymer Composites	July 2019	In-process
26	Yogesh Mishra	Ergonomics Assessment and Design of Work System in Handicraft Sector	July 2019	Awarded In 2024
27	Lalit Sharma	Ergonomic Intervention for Improving Occupational Health of Carpenters	July 2020	In-process
28	Ram Charan Bairwa	Ergonomic Evaluation and Design of Hand Tool for Intervention in Agriculture Sector	July 2020	In-process
29	Deepak Agrawal	Investigation of Circular Supply Chain Management Issues in Indian Healthcare Industries	August 2022	In-process
30	Ajit P Kasodekar	Supply Chain of Bioenergy	July 2023	In-process

## Research Statement

My principal research is on suggesting new manufacturing strategy to achieve sustainable manufacturing, and also contemplating the computational intelligence in the supply chain environment. In addition to, my research is pivoted towards quality assurance of manufacturing system and standardization like six sigma, lean manufacturing, performance measurement and Sustainable Manufacturing. The research applications envisage from different industrial case studies, Life Cycle analysis of respective domain.

## Sponsored Research Project

1. Principal Investigator of DST (Govt. of India) funded Research project entitled ***“Identification of Critical success Factors & Implementation Methodology for Advanced manufacturing***



**Technologies”** of Rs.5,11,000/- during 2002-2004.

2. Co- Principal Investigator of DST (Govt. of India) funded Research project entitled “**Design, Development and Ergonomic Analysis of Blue Pottery Manufacturing System**” of Rs.21,64,000 started in 2010-2013.

### **Research Publications:**

<b>Research Papers</b>	<b>323</b>	<b>Book Chapters</b>	<b>14</b>
International Journals	<b>190</b>		
National Journals	<b>21</b>		
International Conferences	<b>80</b>		
National Conferences	<b>42</b>		

### **Courses Taught**

#### **Under graduate level (B. Tech.):**

- Total Quality Management
- Computer Aided Manufacturing
- Operations Research
- Production and Industrial Engineering
- Production Technology
- Computer Aided Design
- Technical Communication
- Group Discussion
- Engineering Graphics
- Basic Mechanical Engg

#### **Post graduate level (M. Tech):**

- Sustainable Manufacturing
- Quality Systems Engineering
- Quality Management
- Six Sigma & Lean Manufacturing
- Manufacturing Systems Analysis
- Computer Integrated Manufacturing
- Manufacturing Strategy

#### **Post graduate level (MBA):**

- Strategic Supply Chain Management

- Managerial Economics
- Project Management
- Industrial Economic Environment
- Business Research Methods
- Innovation & Knowledge Management

### **Training/Conferences/Workshops Attended outside India**

- Presented a research paper in International Conference on Mechanical, Materials and Renewable Energy ( ICMMRE ) at Male, Maldives during 04th - 05th March 2023.
- Presented a research paper in International Conference on Industrial and Production Engineering(ICIPE) at Hanoi, Vietnam during 6- 7 Feb., 2023.
- Presented a research paper in International Conference on Mechatronics, Automation and Manufacturing (ICMAM-2019) at Bali, Indonesia during October 19-21, 2019.
- Presented a research paper in International Conference on Engineering & Technology, Computer, Basic & Applied Sciences (ECBA- 2017) at Hong Kong during March 6-7, 2017.
- Presented a research paper in International Conference of Industrial Engineering (ICIE 2013) at Cape Town, South Africa during Nov 20-21, 2013.
- Visited National University of Singapore (NUS) for research Interaction & joint publication in Feb. 2012
- Visited University of Greenwich, UK for interaction with faculty for development of syllabus for joint MBA program on Technology Management in Feb. 2010
- Attended one week training program at International Training Centre, ILO, Turin (Italy), during 23-27 March 2009.
- Presented a research paper entitled “Applications of Pokayoke in Process Industry” in 3<sup>rd</sup> MEI International Conference held in Orlando (Florida), USA during July 8-11, 2007.

### **Curriculum Development**

- Developed course curriculum of Sustainable Manufacturing for PG Level
- Convener of Curriculum Development workshop of Mechanical UG & PG Programs in Oct. 2012
- Organized a Curriculum Structure Development Workshop” on 3<sup>rd</sup> December **2007** at MNIT Jaipur.
- Development of Course Curriculum for the subject “Manufacturing Strategy” for M.Tech. Students.

### **Laboratory Development, Equipment Design and Development**

1. Laboratory-in-charge of CAD Laboratory
2. Developed CAM Lab.

## **Vision for Future**

1. Share & transfer my administrative, teaching, & research experience of 40 years to society and youngsters
2. Serve the research community by editing more Journals
3. Designing on-line web-based courses on operations management.
4. Design and develop training programs for practicing managers.
5. Focus on consultancy works and collaborative projects with industries.

## **Examination Work Taken by Dr. G. S. Dangayach**

### **External Examiner for conducting viva-voce and Examination of PhD Thesis:**

- IIT Roorkee, NIT Trichy, NIT Warangal, NIT Kurukshetra, & NIT Hamirpur
- BITS Pilani, ICT Mumbai, & VJTI Mumbai
- Gujrat Technical University
- M. D. University, Rohtak
- Deenbandhu Choturam University, Murthal
- Kurukshetra University
- Jai Narain Vyas University Jodhpur
- Sant Gadge Baba University, Amravati
- Devi Ahilya University, Indore
- MBM Engg. College Jodhpur

## **Other Examination Work**

1. Examiner (paper setter) for UPSC national level examinations
2. Examiner (Paper setter) for Uttar Pradesh Public Service Commission
3. Examiner (Paper setter) for Himachal Pradesh Public Service Commission
4. Examiner (Paper setter) for Bihar Public Service Commission
5. Examiner (Paper setter) for Rajasthan Public Service Commission
6. Head Examiner for Project report evaluation examination of The Institution of Engineers
7. Dy. Center Superintendent for NIMSET entrance test for MCA at MNIT Jaipur
8. Paper setter and examiner for several university level examinations conducted by various Universities for B.Tech., M.Tech., & MBA.
9. M.Tech. Thesis examiner of several students at MNIT Jaipur, MBM Engg. College, Jodhpur and NIT Kurukshetra.

**(Prof. Govind Sharan Dangayach)**