

BRIEF CV

Dr. Chandan Deep Singh

Present Position:-

July 27, 2011 – Till date Assistant Professor (**Stage III**), Department of Mechanical Engineering,
Punjabi University, Patiala.

Academic Qualifications:-

- **Ph.D. - Mechanical Engineering** (November 2016), Punjabi University Patiala.
- **M. Tech. - Manufacturing Systems Engineering (Distinction and Merit holder)** (2011), Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur
- **B. Tech. - Mechanical Engineering (Distinction)** (2009), Giani Zail Singh College of Engineering and Technology, Bathinda.
- **GATE - Mechanical Engineering** (2010) - 94.8 percentile.

Research Papers:-

- International Journals (Peer reviewed/Scopus/SCI/ESCI/UGC listed):
 - Published: **106**
 - Accepted: **5**
- Conferences:
 - International:
 - Published/Presented: **17**
 - Accepted: **4**
 - National:
 - Published/Presented: **4**

Books:-

- Published
 - (as Author): **59**
 - Eminent Publishers: **Taylor and Francis (CRC Press)**.
 - ❖ *Manufacturing Competency and Strategic Success in the Automobile Industry*
 - ❖ *Sustainable Green Development and Manufacturing Performance through Modern Production Techniques*
 - ❖ *Adolescents, Family and Consumer Behaviour: A Behavioral Study of Adolescents' of Indian Urban Families*
 - (as Editor): **1 (Wiley-Scrivener Publishers)**
 - ❖ *Factories of the Future: Technological Advances in Manufacturing Industry*
- Accepted:
 - As Author: **2 (Emerald Publishers, UK and Cambridge Scholars Publishers, UK)**.
 - ❖ *Developments in Sustainable Manufacturing Management: key concepts and tools* (Emerald)
 - ❖ *Core Functional Competencies in manufacturing industry* (Cambridge Scholars)
 - As Editor: **3 (Wiley-Scrivener Publishers)**
 - ❖ *Digitization and Manufacturing Performance: An Environmental Perspective*
 - ❖ *Solar Electric Water and Air Tribid Auto Engine*
 - ❖ *Handbook on Condition based Maintenance and Residual Life Prediction*

Book Chapters:-

- Published: **9** (Eminent publishers-**Springer, Wiley** and **Taylor and Francis: selected** and published two chapters in their initiative “**Sustainable Development Goals Online**”).
- Accepted: **15**

Research Guidance:-

- **Ph.D.:-**
 - ❖ Completed - **2**
 - ❖ Ongoing – **5**
- **M. Tech.:-**
 - ❖ Completed – **59**
 - ❖ Ongoing - **3**

Government Agency/Industry Sponsored Research Projects:-

- Completed – **2**
- Ongoing – **4**

- Submitted – 2
 - ❖ Sustainable Development in Smart manufacturing and Industry 4.0
 - ❖ Industry 6.0 in Sustainable Development

Patent:-

- **International Patent (India):** Integrated renewable energy based sustainable transportation system (Design Patent - filed)
- **International Patent (India):** Integrated Green Energy Powered Clean Fuel Technology (Utility Patent - filed)

Multi Criteria Decision Making Tools:-

- **Developed** – 4 (MDEMATEL, Modified Fuzzy TOPSIS, Modified Fuzzy VIKOR, Fuzzy MDEMATEL).
- **Handled** – 22 (Interpretive Structural Modelling, AHP, TOPSIS, VIKOR, WSM, WPM, WASPAS, GRA, Structural Equation Modelling, Fuzzy Logic using MATLAB, MOORA, ENTROPY, CRITIC, SMART, EDAS, Fuzzy AHP, MAUT, Fuzzy MAUT).

Events:-

- **Organised:**
 - ✓ Seminar – 1,
 - ✓ Workshop – 1,
 - ✓ Short Term Course – 2,
 - ✓ Int'l Conf. – 1 (scheduled for March 2024)
- **Attended:**
 - ✓ Orientation Course – 2,
 - ✓ Refresher Course – 2,
 - ✓ Short Term Course – 6,
 - ✓ Conferences:-
 - 🇮🇳 Int'l – 7,
 - 🇮🇳 National - 2

Technical Proficiency:-

- Website Designing
 - Word Press
 - Dreamweaver
- Designing
 - Solid Works
 - Catia
 - ProE
 - Auto CAD
- MATLAB
- Python
- SPSS (PSAW) and AMOS
- aSC (Time Table)

Designed Courses at PUP:-

- Industry 4.0 (UG)
- Maintenance Management (UG)
- Behavioral Engineering (UG)
- Industry 4.0 (PG)
- Maintenance Management (PG)
- Management of Production Systems (PG)
- Design of Experiments (PG)

Membership:-

- Life member of Indian Society of Technical Education.
- Life member of Punjab Academy of Sciences.
- Life member of International Association of Engineers.
- Life member IAENG Society of Industrial Engineering.
- Life member IAENG Society of Mechanical Engineering.
- Life member IAENG Society of Operations Research
- Member of Scientific and Technical Committee in World Academy of Science, Engineering & Technology (WASET)

- Member of Editorial Review Board in World Academy of Science, Engineering & Technology (WASET)
- Associate Member of UAMAE under The IRED (Institute of Research Engineers and Doctors) from 2015 to 2018
- Senior Member of UAMAE under The IRED (Institute of Research Engineers and Doctors) from 2018 to 2021
- Honorary Membership of London Journal Press, Theale, United Kingdom from July 2021
- Senior Member of UAMAE under The IRED (Institute of Research Engineers and Doctors) from 2021