

# DR. CHANDRA PAL SINGH

## ASSISTANT PROFESSOR

Department of Mechanical,  
SATI Engineering College,  
Vidisha (M.P.) 464001

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### OBJECTIVE

To secure a challenging job, in operations/strategy, that provides opportunities for all round growth and where my 14 years of teaching experience, professional and communication abilities, and a strong educational background add value.

### PROFESSIONAL EXPERIENCE

**18 Years** of teaching experience as an **Assistant Professor** in Mechanical Engineering Department of SAMRAT ASHOK TECHNOLOGICAL INSTITUTE (DEGREE), VIDISHA (M.P.), INDIA (a Grant-in-aid Govt. Engineering College).

### EDUCATIONAL QUALIFICATIONS

#### Ph.D.

- > Institution Name: MANIT, Bhopal.
- > Guide: Dr. Geeta Agnihotri.
- > Year of Award: 2017.
- > Research Topic: Investigation of Effect of Friction in Deep Drawing of Different Geometries and Analysis of its Degree of Influence using Simulation Tool.

#### M. Tech (Hons.) (Industrial Design)

- > Institution Name: MANIT, Bhopal.
- > Year of Passing: 2006
- > Aggregate %: **75.8**

#### B.E (Mechanical Engg.).

- > University Name: Barkatullah University, Bhopal.
- > Institution Name: Samrat Ashok Technological Institute Vidisha .
- > Year of Passing: 2000
- > Aggregate %: **68.8**

#### H.S.S.C.E.

- > Board Name: M.P. Board, Bhopal
- > Institution Name: S.S.L Jain H.S. School, Vidisha (M.P.)
- > Year of Passing: 1995
- > Aggregate %: **75.8**

#### H.S.C.E.

- > Board Name: M.P. Board, Bhopal.
- > Institution Name: S.S.L Jain H.S .School, Vidisha (M.P.)
- > Year of Passing: 1993
- > Aggregate %: **73**

## PUBLICATIONS

### INTERNATIONAL JOURNALS

1. Nhaichaniya, Gajendra Kumar, and Chandra Pal Singh. "8 Advanced Sheet Metal Forming Using Finite Element Analysis." *Manufacturing and Industrial Engineering*. CRC Press, 2021. 121-133.
2. Singh, Chandra Pal, et al. "Investigation of Influence of Process Parameters in Deep Drawing of Square Cup." *Advanced Engineering Optimization Through Intelligent Techniques*. Springer, Singapore, 2020. 589-598.
3. Kanherkar, Prachi, Chandra Pal Singh, and Sanjay Katarey. "Quantification of Influence of Casting Variables for Minimizing Hot Spot Area in T Junction by ANOVA and Taguchi Method." *Advanced Engineering Optimization Through Intelligent Techniques*. Springer, Singapore, 2020. 777-786.
4. Chandra Pal Singh, Geeta Agnihotri "Finite Element Analysis of Deep Drawing Process to Investigate Effect of Friction" International Journal of Mechanical Engineering & Technology (SCOPUS Indexed) 2017 Vol. 8 Issue 10759-767 ISSN/ISBN: 0976-6359
5. Chandra Pal Singh, Geeta Agnihotri "Formability Analysis at Different Friction Conditions in Axis-Symmetric Deep Drawing Process" 2017 Materials Today: Proceedings 4 (2017) pp 2214-7853
6. Chandra Pal Singh, Geeta Agnihotri "Investigation of Effect of Clearance between Die and Punch in Deep Drawing Process" 2016 International Journal of Metallurgy and Alloys Vol. 1: Issue 2, pp 20-24
7. Chandra Pal Singh, Geeta Agnihotri "Study of Deep Drawing Process Parameters: A Review" 2015 International Journal of Scientific and Research Publications, Volume 5, Issue 2 pp 1-15 ISSN No. 2250-3153
8. Chandra Pal Singh, Geeta Agnihotri "Simulation & Modelling of Deep Drawing Process of SMA Material" 2015 International Journal of Scientific & Engineering Research, ISSN 2229-5518 Vol 6, Issue 2 pp 103-106
9. Chandra Pal Singh, Geeta Agnihotri, P.M. Mishra "Design of plant layout using new facility to improve production rate" 2012 IJMRT vol. 01 pp 135-140
10. Chandra Pal Singh, Dr. Geeta Agnihotri, Dr. P.M. Mishra "Analysis of facility planning and design in manufacturing unit" 2012 IJMET ISSN 2249-4219 vol. 01 pp 63-72

## INTERNATIONAL CONFERENCES

1. Gajendra Kumar Nhaichaniya Chandra Pal Singh “Investigate the Effect of Multi-Stage & Single-Stage Forming on Sheet Metal Part, Brake Plate” 2018 (21-23 Dec) 33<sup>rd</sup> Indian Engineering Congress at Udaipur organized by The Institution of Engineers (India) Technical Volume of 33rd Indian Engineering Congress pp 417-421
2. Chandra Pal Singh, Prachi Kanherkar, Lokesh Bajpai and Geeta Agnihotri “Investigation of Influence of Process Parameters in Deep Drawing of Square Cup” 2018 (03-05 Aug) International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT) 2018 at SVNIT , Surat Book of Abstracts pp 90
3. Prachi Kanherkar, Chandra Pal Singh, and Sanjay Katarey “Quantification of Influence of Casting Variables for Minimizing Hot Spot Area in T junction by ANOVA and Taguchi Method” 2018 (03-05 Aug) International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT) 2018 at SVNIT , Surat Book of Abstracts pp 119
4. Chandra Pal Singh, Geeta Agnihotri “Simulation and Modeling of Deep Drawing Process using Finite Element Method” 2014, 1<sup>st</sup> International Conference on Mechanical Engineering: Emerging Trends for Sustainability ICMEETS – 2014 pp 75-82
5. Chandra Pal Singh, Sanjay Katarey, Ashish Manoria “Emerging trends in renewable resources in India” 2013 Advances in Energy Engineering and Technology at IIT (BHU) 28- 30 june 2013 Book Chapter Advances in Energy Engineering pp 97-105
6. Chandra Pal Singh, Sandeep Jain, Ashish Manoria “Analysis of Vibration behaviour of drilling machine” 2006 National Conference Advances in CAD CAM at JNTU Kakinada Advances in CAD CAM.

## **TRAINING PROGRAMME/SDP/FDP/SEMINAR/ WORKSHOP/ NATIONAL-INTERNATIONAL CONFERENCES ATTENDED/ORGANIZED**

1. TEQIP-III Summer Training Program on Active Learning Workshop IIT Bombay 5 Days (11-15 June 2018)
2. TEQIP-III Sponsored Pedagogy and Management Capacity Enhancement Program for Teaching Staff SATI Vidisha 5 Days (05-09 March 2018)
3. Foundation Course on Human Values & Professional Ethics KDK College of Engineering, Nagpur 5-Days (18-22 December 2017)
4. TEQIP –II Pedagogical Conclave on Mechanical Sciences IIT Gandhinagar 2 Days (24-25 Sept. 2016)
5. ISTE Workshop on Thermodynamics National Mission on Education through ICT (MHRD) Conducted by IIT Bombay 2 Weeks (16 July- 21 December 2015)
6. Training on Hypermesh software Altair Delhi 2 Days ( Feb.,2015)
7. Seminar on Engine failure Investigation and Analysis SAE India at Pune 2 Days (04-05 Dec. 2014 )
8. ISTE Workshop on Engineering Mechanics National Mission on Education through ICT (MHRD) Conducted by IIT Bombay 2 Weeks (26<sup>th</sup> Nov-06<sup>th</sup> Dec 2013)
9. Finite Element analysis NITTTTR Bhopal 15 Days(08/7/2013 to 19/7/2013)
10. National Workshop on Advanced Manufacturing Technologies Jaypee University of Engineering &Technology Guna 3 Days(27/09/2013 to 29/09/2013)
11. Staff Development Programme under the Sponsorship of AICTE SATI Vidisha 2 Weeks (20 July – 01 August 2009)
12. International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT) 2018 at SVNIT , Surat NIT Surat 2018 (03-05 Aug)
13. 1<sup>st</sup> International Conference on Mechanical Engineering: Emerging Trends for Sustainability MANIT Bhopal ICMEETS – 2014
14. Advances in Energy Engineering and Technology IIT (BHU) 28- 30 june 2013

## **CO-CURRICULUM ACTIVITIES/EXTRA CURRICULUM ACTIVITIES**

### **Co-curriculum Activities**

- One Edited book titled as “Manufacturing and Industrial Engineering Theoretical and Advanced Technologies” published by CRC Press Taylor & Francis group.
- Key member in attaining UGC Autonomy & NBA Accreditation for the Institute.
- Core member in attaining NBA Accreditation for EI & ME Programme in Year 2018.
- Scheme, syllabus and time-table framing of CBCS & Grading scheme of UG and PG.
- Valuation, exam duty & other academic work.
- Faculty Advisor of Technical Club MESID.

### **PERSONAL DETAILS**

**Mother’s Name:** Late Smt. Shobha  
**Father’s Name:** Shri Than Singh  
**Date of Birth:** 21/03/1977  
**Permanent Address:** B – 81 Arihant Vihar Colony Phase – II,  
Vidisha (M.P.) 464001  
**Sex:** Male  
**Marital Status:** Married  
**Interest:** Playing Cricket, Badminton Teaching, Yoga  
**Languages Known:** English & Hindi  
**Nationality:** Indian

### **DECLARATION**

I hereby declare that the information provided above is true.

**Place:** Vidisha

**Date:**

**Dr. Chandra Pal Singh**