

CURRICULUM VITAE



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2. **DESIGNATION:** Professor of Mechanical Engineering
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5. **DATE OF BIRTH:** 1st July, 1969
6. **PASSPORT NO:** L1896875 (Valid up to June 05, 2023)
7. **NATIONALITY:** Indian.
8. **MARITAL STATUS:** Married.
9. **TEACHING EXPERIENCE:** 23 years

10. ACADEMIC QUALIFICATIONS:

COURSE	SPECIALIZATION	PERCENTAGE	INSTITUTE / UNIVERSITY	YEAR
Ph. D.	Mechanical Engineering (Production and IE)	Awarded	BITS Pilani, Pilani. India	2000
M. Tech.	Mechanical Engineering (Machine Design)	7.62/10 (CGPA)	IIT Kharagpur,	1993
B.Tech.	Mechanical Engineering	7.55/10	Lucknow University,	1991

11. SCHOOL LEVEL:

Intermediate	Sciences	Uttar Pradesh Board.	1987
High School	Sciences	Uttar Pradesh Board.	1985

12.EMPLOYMENT PROFILE:

DESIGNATION	DEPARTMENT	PLACE	DURATION
Professor and Director	Mechanical Engineering	VCTM, Aligarh, affil. UP Tech. Univ.	Aug 14. 2009 to May.2010 and June 20, 2011 to Oct, 2013
Professor & Director	Mechanical Engineering	PKITM, Mathura U.P.	May 2010, June 2011
Assoc. Prof.	Mechanical Engineering	Hindustan College of Science and Technology., Farah, Mathura	Oct 2008 to April.2009
Assoc. prof	Mechanical Engineering	Addis Ababa University, Ethiopia	Oct 2005 to Sept . 2008
Consultant curriculum	AQUIN, Germany	Deutsche Gesellschaft fur Technische Zusammenarbeit (gtz) GmbH, Germany	Aug 2006-July 2007
Assistant Professor	Mechanical Engineering	Jimma University.	July 2000 to Oct 2005

12. ADMINISTRATIVE/MANAGERIAL EXPERIENCE:

POSITION	PLACE	DURATION
Director	VCTM, UPTU, Aligarh	June 2011, Oct 2013
Center Superintendent University Examinations	VCTM, UPTU, Aligarh	During June 2011- Oct 2013 (even semester and odd semester examinations)
Convener	CYBORG workshop	Oct 2012
Director	PKITM, UPTU, Mathura	May 2010, June 2011
Director	VCTM, UPTU, Aligarh	Aug 2009, May 2010
Board of Studies (BOS) member	UPTU, curriculum for Automobile Engineering	Year 2008-09
Project Coordinator	HCST, Mathura	Year 2008-09
Member research steering committee	Addis Ababa University	Year 2007-08
Member organizing committee	CEETE-03, , International Conf. Jimma University, Jimma, Ethiopia	Dec 17-19, 2003
HOD. Mech. Engg.	Jimma University, Jimma Ethiopia	July. 2002 to July.

		2004
Coordinator	Interface, All India Convention, BITS Pilani	During 1998-99
Group Leader	MMS, BITS Pilani	April 1998-April 2000

13. GOVT ORGANISATIONS ASSISSTED IN DIFFERENT ASSIGNMENTS:

- a) National Thermal Power Plant Corporation, Talchar, Orissa, India.
- b) National Thermal Power Plant Corporation, Vindhyachal, India.
- c) Indian Railways, IRCAM Tech Gwalior, India.
- d) Yogna Bhavan, RAJIS, and Dept of Transport, Rajasthan .
- e) UPTU, India.
- f) Railway track rehabilitation project, Mesfin Industrial Engineering, Mekele
- g) Ethiopean Quality Award, WALTA, Addis Ababa.

14. UNIVERSITIES/INSTITUTES ASSISTED IN EXAMINATION WORKS:

UG PROGRAMME	PG PROGRAMME	Ph. D PROGRAMME
BITS, Pilani.	BITS Pilani.	BITS Pilani
Jimma University, Ethiopia.	Addis Ababa Univ.	Addis Ababa Univ.
Bahirdar Univ, Ethiopia.		
UPTU, India		
M.D. University Rohtak.		

15. DETAILS OF ACADEMIC WORKS:

ACADEMIC WORK	UG PROGRAMME	PG PROGRAMME
Curricula Developed Syllabus Revised and Introduced.	B.Tech. Mech. Engg. B Tech Automobile Engg Mechanical Engg	
Curricula Developed	Machine design, Engg. Drawing, Machine Drawing, Theory of machines, Production planning and control, lean manufacturing, supply chain management, project management, maintenance engg.	Statistical quality control, world class manufacturing, operations research, simulation and modelling

Lab. Established	Work shop Technology, mechanism, computer programming, CAM lab, IC engine lab, fluid mechanics lab Strength of Materials Lab. And mechanics lab	I.C. Engine Lab., FMS lab
Areas of the Projects Guided	manufacturing, simulation, design and fabrication.	Industrial engineering

16. AREAS OF INTEREST:

- a) **Production Planning and Control..**
- b) **Theory of machines.**
- c) **Engineering Drawing with autocad**
- d) **Machine Design.**
- e) **Strength of Material.**
- f) **Engineering mechanics.**
- g) **Maintenance Engineering**
- h) **Production Technology**
- i) **Statistical Quality Control.**
- j) **Project management**
- k) **Supply chain management**
- l) **Lean manufacturing**
- m) **Metrology and measurement**

17. M. TECH. DISSERTATIONS GUIDED:

- a) “Optimal Design of Thermal fins using FEM”; guide, Devendra Singh, HCST, Mathura, 2012.
- b) “Performance testing and simulation of VAR system.” guide, Yash Vir Singh, HCST, Mathura, 2012.
- c) Design and Development of Supply Chain Management for Messebo Cement Factory.” Guide, G/bre madhin, AAU, July 2008.
- d) “Simulation and modeling of manufacturing system for performance evaluation: Case Study of Crown and Cork company” Guide, Mabratom Amlash, AAU, July 2008.
- e) Computerized maintenance management system (CMMS) for project 40720”, Guide, Fitsum Ababa, July 2007
- f) Genetic Algorithm based reconfiguration of plant Layouts, Guide, Tasfaye Tadesse, AAU , July 2007

- g) Development of Aggregate production planning Model: A case study on EPHARM, guide, Kalid Adem, AAU , July 2007
- h) Implementation of TPM system in Anbessa city bus service, Guide, Abdul Wahid, AAU, 2006
- i) Analysis of Traffic Accident in Addis Ababa, guide, Fanuel Samson, AAU, 2006
- j) Software design and development for TPM, guide, Anand Bhandri, BITS Pilani, 2009
- k) Design and development of GUI based TQM assessment System for Indian Industries, Guide, Himansu Trivedi, BITS Pilani, 2009.

18. SEMINAR SUPERVISION:

- 1. “ Design and fabrication of Friction welding set up”, by Mradul Mehta, VCTM, 2013
- 2. “ Design and of Bevel Gear type Jack Screw for LMV”, VCTM 2013
- 3. “Electricity generation through speed breaker”, by Maz Khan, VCTM, 2012
- 4. “Design of Service jack Screw for 5 ton load”, Praveen Kumar, VCTM 2012
- 5. “ Design and fabrication of ASRS system”, Swadesh Kr, PKITM, 2011.
- 6. “Solar Drier, by Mudit Sharma”, VCTM, India, 2010
- 7. “Solar energy driven cycle-analysis and testing”, Sailendra, RBS agra, 2010
- 8. “Design and fabrication of fork lift platform with scissor joint mechanism”, HCST 2009
- 9. “Parabolic Solar Concentrator”, by Manish Sharma, 2009, HCST, India
- 10. “Seminar on EDM ” by Nishant Singh, 2009, HCST, India.
- 11. “Modelling of manufacturing systems” by Mabratom, 2008, AAU.
- 12. “Group technology, by Hamsasaw”, 2006, AAU
- 13. “Design of treadle pump for water pumping”, Awet Amare, 2005 JU
- 14. “Design of Block Making Machine”, Wondowosen, 2002, Department of Mechanical Engineering, JU
- 15. “Solar energy driven cycle-analysis and testing”, Sailendra, RBS agra
- 16. “Design of Maize Shailer”, Alemu Tiruneh, 2002, ME Dept., JU
- 17. “Experimental Stress analysis”, Sangwan, 2000
- 18. “Design of coconut husk remover”, Dilip Singh, 1998

19. SUPERVISOR FOR RESEARCH PROGRAMME

- a) **AMETY University, Greater Noida, India.**

20. WORKSHOPE/CONFERENCES ORGANISED/ATTENDED:

a)	Rapid Prototyping, Strata Sys US, VCTM, 2013.
b)	ABET accreditation, 2013, VCTM Aligarh
c)	National Seminar on Teachers education in India: Its relevance, effectiveness and empowerment-VCE Aligarh-Agra University -Feb 7, 2010
d)	AutoCAD training program, CAAD, VCTM, 2009
e)	University Industry linkage, Mech. Link, June 07, JU
f)	30 days Training Program on “Unigraphics, ProE, and Ansys” conducted by PPDC, Agra July-August, 2004.
g)	CEETE-03, International Conf. Jimma University, Jimma, Ethiopia Dec 17-19, 2003
h)	Business process re-engineering: Opportunities and threats, 1999, BITS Pilani
i)	Revisiting Genetic algorithm for Managerial decisions, 1999, BITS Pilani
j)	One day Workshop on “Tapping Human potential : The Japanese way, March 1998, BITS, Pilani
k)	Workshop on Patent awareness February 24-25, 1996 BITS Pilani.
l)	Intensive Teaching workshop: Revisiting Pedagogue Methodologies Jan-May 1994 BITS Pilani.

21. RESEARCH WORK:

- a) Conducted Research on “**On line condition Monitoring of Hydrodynamic Journal Bearing**”, submitted as a part of the M.Tech thesis work at IIT Kharagpur,.
- b) Conducted Research on “**Justification and Design of Manufacturing Strategies for Indian Industries**”, submitted as PhD Thesis at BITS, Pilani,

22. RESEARCH PAPERS:

National Conference /International Conference /International Journals:

1. Chandra S. “Total Quality System for 21st Century”, ISO certification and quality planning for Indian Industries, January 23-24, 1996 IT BHU Varanasi (India)
2. Chandra S and Vinay Pathak, “Genetic Algorithm demystifies FLP using post order sequence of nodes in a slicing tree: layout design” CEETE-03, ISBN NO: 959-250-114-9 , International Conf. Jimma University, Jimma, Ethiopia. Dec 17-19, 2003
3. Vinay Pathak, subhash Chandra, “Improved Bio Gas Technology for energy conversion and sanitation improvement.” CEETE-03, , International Conf. ISBN NO: 959-250-114-9 Jimma University, Jimma, Ethiopia.Dec 17-19, 2003.
4. Chandra S. , R.B. Kodali, “Justification of JIT for Indian Industries” Integrated manufacturing System Vol. 9, 1998 U.K.

5. Subhash Chandra, Jagdish MU, Claudio, Misael, "Class room dynamics and evaluation scheme" CEETE-03, , International Conf. Jimma University, Jimma, Ethiopia. Dec 17-19, 2003.
6. Chandra S., R.B. Kodali, "Justification of Action Plan for quality system for Indian Industries using Analytical Hierarchy Process", Mechno Vision 2001, New Age International (P) Ltd. New Delhi, 1997 (India)
7. S Chandra, "Multi Attribute Decision Model using Analytical Hierarchy Process (AHP) for the selection of JIT attributes for Indian industries", Indian Journal of Business Papers, Vol. No., 1, Dec., 1998, Patna, India.
8. Rambabu Kodali, Chandra S, "Analytical Hierarchy process for Justification of Total Productive Maintenance", Production Planning and Control, London, UK. 2001
8. Chandra S. , R.B. Kodali, " Implementation of JIT in Indian Industries: An overview", Productivity Journal, July - Sept. 1997 India
9. Chandra S., M.R. Reddy, " On- line condition monitoring of Hydrodynamic Journal bearing, Maintenance Journal January - March , 1997 (India)
10. Chandra S., Total Productive Maintenance : A practical approach of excellence for Indian Industries", Maintenance Journal, 1997 (Sept.-Dec) India .
11. S Chandra, M G Krishna, "Total Productive Maintenance- Implementation in Indian Industry" Indian Management, Nov. 1998.
12. Chandra S., Ajay Kumar, "Multi-goal heuristic for facility layout problems using fuzzy set theory, Indian Institution of industrial Engineers, Navi Mumbai, India. Year 2000
13. Chandra S., Amit Jayachandran, "An improved Multigoal Heuristic for Facility Layout Problems (FLPS), Journal of Management Research, Vol 1, No.2, Jan-April 2001
14. Chandra Subhash , RB Kodali, "Development of Self Assessment System for Total Productive Maintenance System" Narosa Publishing House, New Delhi-India 2000
15. Mebratom Amelash, Dr Subhash Chandra, "Simulation and Analysis of Manufacturing Systems using ARENA : With a special reference to crown and cork Manufacturing Industry (CACMI), Ethiopian Society of Mechanical Engineers, Addis Ababa University Press, 2008
16. Dr Subhash Chandra, "Aggregate production plan scheduling using Non Integer and Integer dynamic programming model," International conference, Jimma University CEETE-06, ISBN 959-250-237-4, 18-19th April 2008
17. Dr Chandra et al., "Simulation of assembly line subjected to probabilistic task timings due to precedence changes using Petri Nets (PN) , Challenges of globalization and strategy for competitiveness, MacMillan Publisher, Jan. 2011
18. Subhash Chandra, Tasfaye Tadesse , "Automated Layout Reconfiguration Program for Reconfigurable Layout-using GENETIC Algorithm" Proceedings of 3rd International conference, CEETE-06, ISBN 959-250-237-4 Jimma University , 18-19th April 2008
19. Dr Chandra and Ababayehu Seifu , "Simulation and performance Analysis of manufacturing system using Deterministic and stochastic PETRI NETS".
20. Dr Chandra, "Simulation and modeling of performance evaluation using Petri net and Arena, NCWT-09 SLIET, longwal, Punjab, Feb 13-14, 2009
21. Dr S Chandra, "simulation and analysis of manufacturing systems using arena", National seminar on Ergonomics research Techniques, UGC sponsored, MS University Baroda, Feb 11-12, 2010,
22. Dr S Chandra , "Comparative analysis of Time weighted Average (TWA) Metabolic

- Rate (MR), empirical formulation and simulation of real time data” UGC sponsored, MS University Baroda, Feb 11-12, 2010,
- 23 Dr Chandra ,“Performance Measurement of Assembly Line using Simulation with Petri Nets (PN)”, International conf. on operational excellence on global competitiveness, RVCE and ABCON Sys, Banglore, 2011
- 24 Devendra Singh, Dr Chandra , ‘Heat Distribution in Rectangular FINS using FEM’, National Conference on Recent advances in Mechanical Engg., March, 2012, BSA Mathura
- 25 Dr Chandra, Dr Vakkar Ali “Stochastic simulation of assembly line for optimal sequencing using Petri Nets (PN), Paper accepted for Journal of Applied Sciences, Majmaah, Univ.2014
- 26 Dr Chandra, “Working on Project Portfolio Management using LPP: Case Study” working paper

22. **REFERENCES:**

- a) **Professor** Ram Babu Kodali, Director, Director, NIT Jamshedpur, Email: proframbabukodali@gmail.com
- b) Dr S K Roy Choudhary, Faculty of Technology, Mechanical Engineering Department, IIT Kharagpur
- c) Dr R Prasad, Director General, VCTM, UPTU Aligarh, Email rajendraprasad1@rediffmail.com

Date: 14.01.2014

(Dr. Subhash Chandra)

Place: Majmaah