



## CURRICULUM VITAE

<b>Name:</b>	Prof. Mohan S Futane	
<b>Designation:</b>	Asst. Professor	
<b>Department:</b>	Mechanical Engineering	
<b>Specialization &amp; Research Interests:</b>	Computer Integrated Manufacturing & Total Quality Management(Lean Manufacturing)	
<b>Email IDs (Official &amp; Personal)</b>	<a href="mailto:mohanfutane.mech@hsit.ac.in">mohanfutane.mech@hsit.ac.in</a>	
<b>Mobile No.:</b>	9164105035/6363848536	
<b>Address:</b>	At/Post: Nilaji Taluk: Gadhinglaj District: Kolhapur Karnataka - 416501	

### 2. ACADEMIC QUALIFICATION(in reverse Chronological order):

Degree	Year	University/Board
M.Tech in CIM	2007	VTU Belagavi
B.E in Mechanical Engg.	2004	VTU Belagavi
Diploma in Automobile Engg.	1999	DTE, Bangalore

**3. ANY OTHER QUALIFICATION:**

LLB Special (2012), Karnataka University, Dharwad

**4. PROFESSIONAL EXPERIENCE:**

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology, Nidasoshi	Asst. Professor	2015 to Till date
Hirasugar Institute of Technology, Nidasoshi	Sr. Lecturer	2009 to 2015
VDRIT, Haliyal	Lecturer	2007 to 2009
SJPN Trust's Polytechnic Nidasoshi	Lecturer	2004 to 2007

**5. ADMINISTRATIVE ASSIGNMENTS:**

Position Held	Duration	Nature of Work
Department EMS Coordinator	2019 to till date	Examination work
Hostel Warden	2010 to 2021	Administration

**6. COURSES TAUGHT:**

- ✚ Computer Integrated Manufacturing
- ✚ Robotics
- ✚ CAD/CAM
- ✚ Introduction to AI & ML
- ✚ Product life cycle Management
- ✚ Automotive Engg. / Automobile Engineering
- ✚ Material Science
- ✚ Manufacturing Processes
- ✚ Production Engg
- ✚ Material Science & metallurgy
- ✚ Basic Thermodynamics
- ✚ Management & Entrepreneurship

- ✚ Total Quality Management
- ✚ Industrial Management
- ✚ Computer Aided Engg. Drawing
- ✚ Computer Aided Machine Drawing
- ✚ Theory of Machines
- ✚ Elements of Mechanical Engineering
- ✚ Mechatronics
- ✚ Control Engineering
- ✚ Operation Management
- ✚ Engineering Economics
- ✚ Additive Manufacturing
- ✚ Management & Engineering Economics
- ✚ Constitution of India & professional Ethics
- ✚ Computer Aided Design & Manufacturing
- ✚ Product Life Cycle Management
- ✚ Project Management
- ✚ Introduction to AIML
- ✚ Modern Mobility & automotive Mechanics

## 7. RESEARCH SUPERVISION:

### A. Ph.D.:

- i. Awarded :
- ii. Submitted : --
- iii. Ongoing :

### B: M.Tech.

- i. Awarded :
- ii. Submitted : --
- iii. Ongoing :

### C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):

- i. Awarded : 30
- ii. Submitted : --
- iii. Ongoing :01

## 8.CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

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## 9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

- Life time member of “Indian Society for Technical Education”, with Membership ID: LM97952.

## 10. PUBLICATIONS:

### A. BOOKS/MONOGRAPHS:

1. Authored:

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2. Edited:

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### B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- ✚ Published paper on “Fabrication of portable foot operated agricultural fertilizer and pesticides spraying pump” in International Journal of Engineering Research and Technology [IJERT] ISSN: 2278-0181, Volume 4, Issue 7, in July 2015.
- ✚ Published paper on “OEE improvement through total productive maintenance” in International Journal of advanced research in scientific and engineering [IJARSE] ISSN : 2319-8354, Volume 5, Issue 1, in March 2016.
- ✚ Published paper on “Magnetic fluid Griding” in Journal of Advances in Science and Technology, Vol. 12, Issue No. 25, (Special Issue), ISSN 2230-9659, December-2016.
- ✚ Published paper on “A research on the role of value stream mapping tools in production line” in Journal of Advances in Science and Technology, Vol. 12, Issue XXIV, ISSN 2230-9659, November-2016.
- ✚ Published paper on “An analysis upon various improvements & benefits of lean manufacturing: A case study of Indian manufacturing industries” in Journal of Advances in Science and Technology, Vol. 13, Issue II, ISSN 2230-9659, March-2017.
- ✚ Published paper on “Fabrication of cam operated low cost sheet metal bending machine for startup industries in rural areas “ in Scopus Index,2018
- ✚ Published paper on ”An Improvement In Mechanical Characteristic Through The Application of Austempered Ductile Iron (ADI): A Review” in International Journal of Advance Research in Science and Engineering, Vol. No.12 Issue No., ISSN(O) 2319-8354, ISSN(P) 2319-8346,12 December 2023
- ✚ Published paper on ”Effect of Aigae Biodiesel on Performance, Combustion an smoke Charactristics of CI Engine” in International Journal of Advance Research in Science and Engineering, Vol. No.12 Issue No., ISSN(O) 2319-8354, ISSN(P) 2319-8346,, 12 December 2023

- ✚ Published paper on "Mechanical Assessment of Helical Springs: Comparative Finite Element Analysis between Steel and Composites" in International Journal of Advance Research in Science and Engineering, Vol. No.12 Issue No., ISSN(O) 2319-8354, ISSN(P) 2319-8346,, 12 December 2023

### C. PAPERS IN CONFERENCES PROCEEDINGS:

- ✚ "Future fuels" Baba Bandasingh Bahadur Engg. College, FatehgarhShib, Punjab, 2005
- ✚ "Warning System for Natural Disaster" BIET, Davangere, 2005
- ✚ "Six Stroke Engine", Amoghsiddhi Education Society, Sangli, 2006
- ✚ "Solar Thermal Power propelled Vehicle" GND Engg. College, Bidar, 2012
- ✚ "Innovative Teaching Methods for result improvement" SJPN Trust's Polytechnic, Nidasioshi, 2014
- ✚ "Industry Institute Interaction" SJPN Trust's Polytechnic, Nidasioshi, 2014
- ✚ "OEE improvement through total productive maintenance",Dhananjay Mahadik groupof inst itutions, Kolhapur,2016
- ✚ "Magnetic fluid grinding"HIT, Nidasoshi,2016
- ✚ "Fabrication of cam operated low cost sheet metal bending machine for startup industries in rural areas ", HIT Nidasoshi,2018

### 11. Patents/Copyrights/IPR (If Any)

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### 12. INVITED TALKS:

- ✚ RUDSET, Haliyal 2009
- ✚ SJPN Trust's Polytechnic Nidasoshi,2010
- ✚ AIMR, Sankeshwar 2017
- ✚ ADAS, COE, Gadhinglaj,2018
- ✚ MMEC, Belgaum 2018
- ✚ ADAS,COE, Gadhinglaj,2019
- ✚ ADAS,COE, Gadhinglaj,2020
- ✚ ADAS,COE, Gadhinglaj,2021
- ✚ MG law college, Sankeshwar ( Guest Lecturer Since from 2020)
- ✚ SJPN Trust's Polytechnic Nidasoshi,2022
- ✚ SJPN Trust's Polytechnic Nidasoshi,2023

### 13. RESEARCH PROJECTS (COMPLETED/ONGOING):

### 14. PARTICIPATION & PRESENTATIONS IN SEMINARS/SYMPOSIA/WORKSHOPS/ CONFERENCES:

Sl.No	Topic	Period	Date	Venue
01	Innovative Teaching Methodology-A creative Pedagogy	5 days	31st July to 4th Aug.2023	D. Y. Patil College of Engineering, Akurdi

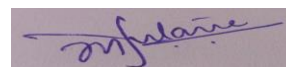
02	Role of AI,ML & Data Science in emerging trends of Mechanical Industries	7 Days	23rd to 30th Jan.2023	Zeal college of Engineering & Research, Pune
03	Current Trends in Manufacturing	5 days	13 <sup>th</sup> to 17 <sup>th</sup> June 2022	SJMIT, Chitradurga
04	Machine Learning & Data Analysts	4days	8th to 11th Jan. 2020	HIT, Nidasoshi
05	Recent advances in material properties	5 Days	16th to 20th Jan.2018	HIT, Nidasoshi
06	Mechatronics & Intelligent system	6 days	27th to 1st Aug.2015	IIT Madras
07	Computational Fluid Dynamics	5 days	9th to 14th June 2014	HIT, Nidasoshi
08	Advanced data analysis for management research & decision making	3 days	29th to 31st Mar.2013	VIT, Vellore
09	Modern aspects of intellectual solutions on publications, patents & personal management	1day	7th Dec2013	BEC, Bagalkot
10	Engineering Thermodynamics	2 weeks	11th to 21st Dec.2012	IIT,Bombay
11	Rapid Prototyping Machine	2days	6th&7thSep 2011	VTU, Belgaum
12	Introduction to robotics	2days	26th& 27th April 2011	PESIT, Shimoga
13	Advances in Design, Manufacturing & analysis of composite & smart materials	5 days	12th to 16th July 2010	NITK, Suartkal
14	Rapid Technology & Tooling	2 weeks	21th July to 1st Aug 2008	PESIT, Bangalore
15	Emerging trends in automotive Technology	2 days	4th& 5th May2007	BVBCET, Hubli

#### 15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

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#### 16. ANY OTHER SIGNIFICANT INFORMATION:

In addition to the above information provided, I was working as NBA & NAAC Coordinator, Various Lab In charge, Department News letter Coordinator, Department Technical Magazine Coordinator, Founder& member of Kannada Balaga, Cultural Events Convener & member and also actively participated in all the department and college events.



Prof. M S Futane