



**Sinhgad Institutes**

# Sinhgad Technical Education Society's

Smt. Kashibai Navale College of Engineering,  
Department of Mechanical Engineering  
Survey No 44/1 Sinhgad Road Vadgav Bu Pune-41 Ta: Pune (corporation Area) Dist: Pune

**Dr. Hemant Anandrao Deore**  
**PhD, Materials and Metallurgical Engineering.**

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## Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
PhD, Materials and Metallurgical Engineering.	Defence Institute of Advanced Technology (DIAT), Pune	Defence Institute of Advanced Technology (DIAT), Pune	2021	NA	NA	Completed
M. Tech-Process Metallurgy	College of Engineering, Pune (CoEP)	SPPU	2014	9.67 (CGPA)	First Class with Distinction	Completed
BE Mech	College of Engineering, Pune (CoEP)	SPPU	2003	58.63%	Higher Second Class	Completed

## Skill Upgradation Details

Skills	Certification Name	Domain	CertificationDate
Shot-Term Training Program on advances in cutting tools and Additive Manufacturing Process	ACT_AMP-2016	Manufacturing	29 April 2016
Teaching Methodology	FDP	Teaching Skills	22 Dec 2014
ICT MHRD-Workshop on CFD, IIT Bombay.	IIT Bombay	CFD	12 <sup>th</sup> -22 <sup>nd</sup> June2012

## Training Details

Training Title	Arrange By	Venue	Date	Level	Category	Type
Oil Hydraulics & Pneumatics for Industrial Automation	G.H.Patel College of Engineering & Technology Vallabh Vidyanagar Gujrat	G.H.Patel College of Engineering Vallabh Vidyanagar	26 May 2003 to 06 Jun 2006	Training	Quality Improvement Programs	External
Advances in Heat Exchanger Technology	Sinhgad College of Engineering, Pune under TEQIP	College of Engineering, Pune	08 Apr 2013 to 13 Jul 2013	Institute	Quality Improvement Programs	External
COMPUTATIONAL Fluid Dynamics and Application	Sinhgad College of Engineering, Pune and Ansyssoftware Pvt.Ltd.	Sinhgad College of Engineering Pune	16 Oct 2007 to 27 Oct 2007	National	Quality Improvement Programs	Internal

Material Science	7
Engineering Metallurgy	7
Engineering Materials and Metallurgy	2
Manufacturing Processes	1
Composite Materials	1

### Conference Details

Name	Venue	Date	Level	Category	Type	Sponsored By
International Conference on Automotive Materials & Manufacturing 2014	SAE International technical Papers	2014	International			
FTCME, 2017	Pune	2017	International			
Third International Conference on advances in Light weighting Technology for transport sector	Pune	2016	International			
6th National Conference on Recent Advances in Manufacturing	SVNIT, Surat	2016	National			
6th National Conference on Recent Advances in Manufacturing	SVNIT, Surat	2016	National			

### Seminars Attended

Seminar Topic	Conducted	Venue	Date	Level	Category	Type
Short Term course on Quality Assurance and Accreditation of Technical Education	Smt. Kashibai Navale College of Engg. Vadgaon (Bk.)	ai Navale College of Engg. Vadgaon (Bk.) Pune	19 Apr 2005 to 23 Apr 2005		Intra-Institutional Seminars	Internal

### Workshop Attended

Workshop Topic	Conducted By	Date	Level	Category	Type
Workshop on Implementation of Syllabus of Industrial Fluid Power	D.Y. Patil College of Engg. Pimpri Pune and University of Pune	17 Sep 2000 to 17 Sep 2000	Intra-Institutional Seminars	Intra-Institutional Seminars	External
One day Workshop on revision of syllabus for SE, TE, BE	Padmashri Dr. V.V. Patil College of engg, ANagar	07 Feb 2004 to 07 Feb 2004	Intra-Institutional Seminars	Intra-Institutional Seminars	External
One Day Workshop on Syllabus Setting	Savitribai Phule Pune University	17 Apr 2015 to 17 Apr 2015	Intra-Institutional Seminars	Intra-Institutional Seminars	External
Syllabus setting of Manufacturing Process-I	SCOe under SPPU	04 May 2016 to 04 May 2016	Management Development Program	Management Development Program	External

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
2395-0072	Design and Analysis of Snorkel Intake System for an LCV	2016	International Research Journal of Engineering and Technology (IRJET)	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2321-8169	Influence of Laser Surface Hardening on Microstructure and Mechanical Properties of Austemperd Ductile Iron	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao,Rathod Manoj J,Hiwarkar Vijay D
2321-8169	Optimization of Process Parameters during Friction Stir Welding of Stainless Steel: A Review	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2321-8169	A Review on Laser Hardening Process for AISI H13 Tool Steel	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2321-8169	Review on Tools for Friction Stir Welding/Processing of Copper	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2321-8169	Review Paper on Effect of WC-Ni Content on Wear Behavior of Laser clad Ni-based alloys	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2321-8169	Review on Nano Materials and It's Aerospace Application	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2321-8169	Review on Laser Welding of Titanium Alloys	2017	IJRITCC	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao
2395-1052	Modification of Catalytic Converters Thereby Bettering their Performance and Reducing The Cost	2018	International Journal for Science and Advance Research In Technology	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao,Pandhare Amar Pradeep,Kulkarni Soham P
2395-1052	A Review on Friction Stir Welding of Dissimilar Aluminum alloys	2018	International Journal for Science and Advance Research In Technology	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao,Shete Nisarg M,Laghate Kaystubh P

2349-5162	Additive Friction Processing on AA-7075 for Defence Applications	2019	Journal of Emerging Technologies and Innovative Research (JETIR)	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao, Damale Shreyas ,Dhanwade anirudhha ,Gumati Prasad
2349-5162	Effect of tool Geometry and process parameters on microstructure and mechanical properties of Dissimilar Friction stir welding of AA6061-AA5052	2019	Journal of Emerging Technologies and Innovative Research (JETIR)	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao, Hiwarkar Vijay
2349-5162	Microstructural refinement and subsequent mechanical property change during friction stir processing of AA6061	2019	Journal of Emerging Technologies and Innovative Research (JETIR)	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao, Hiwarkar Vijay ,Devhade Sudarshan
2349-5162	Review on Advanced Piezoelectric Materials (BaTiO <sub>3</sub> , PZT)	2019	Journal of Emerging Technologies and Innovative Research (JETIR)	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Deore Hemant Anandrao, Kabra Hemangi ,Pranita Patil
0257-8972	Effect of filler material and post process ageing treatment on microstructure, mechanical properties and wear behaviour of friction stir processed AA 7075 surface composites	2019	Surface & Coatings Technology	Referred and reputed journal	Accepted and Published	Deore Hemant Anandrao
2214-9147	Consequence of reinforced SiC particles and post process artificial ageing on microstructure and mechanical properties of friction stir processed AA7075	2019	Defence Technology	Referred and reputed journal	Accepted and Published	Deore Hemant Anandrao
2589-1529	Microstructural investigation of WC reinforced Ti-6Al-4V matrix surface composite fabricated via Additive Friction Stir Processing	2021	Materialia	Referred and reputed journal	Accepted and Published	Deore Hemant A, Hiwarkar V D, Nischul Unnissa , Rao A G

## Membership Details

Membership Body	Details	Duration	Level
ISTE	LM112740	Life-Member	National

## Industrial Experience

Organization Name	Post	Organization Category	Appointment Status	Duration
Suraj Industries	Production Manager	Industry	Full Time	12/12/2005 to 03/01/2009
PCS Corporation	Shift In-Charge (Production)	Industry	Full Time	12/01/2009 to 15/06/2012
Smt. Kashibai Navale College of Engineering, Pune	Assistant Professor	SINHGAD INSTITUTE CAMPUS	Full time and Permanent	11/07/2015 To 30/06/2016
Smt. Kashibai Navale College of Engineering, Pune	Assistant Professor	SINHGAD INSTITUTE CAMPUS	Full time and Permanent	Jul 01,20017 to Current date

## Books Published

ISBN	Title	Publisher	Publish Year
NIL			

## Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Dr. Hemant A. Deore