

BIO-DATA



- 1. Name** : SANJEEV DAMODAR SURYAWANSHI
Designation : Professor and Head
Department : Mechanical Engineering
- 2. Date of Birth** : 1st June 1967
- 3. Father's Name** : Damodar Jagannath Suryawanshi
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6. Educational Qualification:

Sr. No	Exam Passed	Title of Degree	Board/University	Year	% of Marks	Class
1	S.S.C	SSC	Pune	1983	83.71	First class with DISTINCTION (National merit)
2	DIPLOMA	D.M.E.	B.T.E. Mumbai	1987	62.54	First class
3	BACHELOR	B.E. Mech.	Pune University	1992	60.53	First class
4	MASTER	M. E. Mech.(Heat Power)	Shivaji University, Kolhapur	2004	73.80	First class with DISTINCTION
5	Ph.D.	Ph.D. Mechanical Engineering	Shivaji University, Kolhapur	2010	--	--
6	Energy Auditor	Energy Auditor	Bureau of Energy Efficiency(BEE)	2005	65.55	First class

7. Details of Job :(Total Experience – 31 years)

Sr. No	Name of Employer	Designation	From	To
1	SSVPS'BSD, Polytechnic, Dhule	Lecturer	26 Sept.1992	31 Nov 2002
2	SSVPS'BSD, Polytechnic , Dhule	Senior Lecturer	1 Dec.2002	12 Jan 2009
3	College of Engineering ,Pune	Lecturer	13 Jan 2009	2 Feb 2011
4	College of Engineering, Pune	Associate Professor	3 Feb 2011	13 Oct 2014
5	SSVPS' BSD, College of Engineering, Dhule	Professor and Head Dept. of Mech. Engg.	14 Oct 2014	Till Date

8. Details of Approval of Services in Teaching –

Sr. No.	Designation	From	To	University letter No. and Name of University/College
1	Lecturer	26 Sept.1992	31 Nov 2002	2/NPG/1097/40231 Dated 9 Dec.1997 BTE, Mumbai
2	Senior Lecturer	1Dec 2002	12 Jan 2009	2/NPG/1097/40231 Dated 9 Dec.1997 BTE, Mumbai
3	Lecturer	13 Jan 2009	2 Feb 2011	COEP/EST-1/2008/6209 Dated Dec 30 2008
4	Associate Professor	2 Feb 2011	13 Oct 2014	COEP/EST-1/2010-11/728 Dated Feb 1 2011
5	Professor	27 June 2016	Till date	NMU/18/1197/2016 North Maharashtra University, Jalgaon

9. Awards

Sr. No.	Type of award	Year	Brief Description of Project/Paper	Awarding Authority
1	AVISHKAR	2011	Wind energy harvesting inside the moving train at window by VAWT	Shivaji University Kolhapur
2	Outstanding Project Award	2011	Liquid desiccant Dehumidification System	Forbes Marshall, Pune
3	AVISHKAR	2017	Mixed axis water turbine	NMU
4	AVISHKAR	2019	Solar Disinfecter	Doctor Babasaheb Ambedkar Technological University, Lonere, Maharashtra
5	Gaurav Guruvaryancha	2021	Work in teaching learning and research	Divya Marathi(Dainik Bhaskar group)
6	I2OR	2022	Innovative Educator	International Institute of Organised Research (I2OR)
7	Best research Paper Award	July 2022	Evaluating Frontal Crash Test of Developed Vehicle Chassis Frame Structure to Identify Crashworthiness Through Scaled Model for Injury Reduction	Dept. of Mechanical Engg.Sandip University, Nasik
8	Rotary Nation Builder award	2022	Rotary Nation Builder award	Rotary international ,Rotary club of Dhule cross road
9	AVISHKAR	2023	Design, development and evaluation of solar tunnel dryer for seasoning and straightening of bamboos	Doctor Babasaheb Ambedkar Technological University, Lonere, Maharashtra

10. Patent awarded:

Sr. No.	Nation	Patent Application No.	Name of the Patent	Date of Filing	Date of Award	Patent No.
1	India	201621022124	Curved Surface Absorber Type Solar Fluid Heater	28-12-2016	Oct-21	378587
2	US	P8023US00	Curved Surface Absorber Type Solar Fluid Heater	06-05-2019	Oct-21	PCT Pub No.WO2018/122870

3	China	PCT/IN2017/050619	Curved Surface Absorber Type Solar Fluid Heater	06-04-2019	Oct-21	PCT Pub No.WO2018/122870
4	India	2185/MUM/2011	Multipurpose Cooling Apparatus	02-08-2011	Jan-21	356049
5	India	1753/MUM/2015	Multipurpose Hollow Hemispherical Solar Collector	01-05-2015	Sep-21	377915

10a. Patent Applied:

Sr. No.	CBR No / Reference No.	Patent Application No.	Name of the Patent	Date of Filing the patent
1	201621000959	201621000959	Self-Cleaning Steps	11-01-2016
2	6386/E-2/1040/2016-MUM	201621012701	Brick Box Type Solar Cooker	11-04-2016
3	9157/E-2/886/ 2017-MUM	201721013090	Ice to Water Converter Cum Water Treatment Apparatus Based on Solar Energy	12-04-2017
4	2728/E-2/ 315/ 2018-MUM	201821005958	Solar Collector Using Plastic Glazing	16-02-2018
5	7603/E-2/12227/2016-MUM	201621015234	Pedal Operated Oscillating Cylinder Reciprocating Pump	02-05-2016
6	6735/E-2/ 771/ 2018-MUM	201721013090	Curved Surface Absorber Type Foldable Solar Fluid Heater	11-04-2018
7	TEMP/E-1/44626/2018- MUM	201821041516	Solar Cooker With Heat Storage	02-11-2018
8	TEMP/E-1/8803/2020-MUM	202021008250	Sliding Vehicle Chassis frame to minimize the intensity of frontal	27-02-2020
9	TEMP/E-1/9330/2020-MUM	202021008734	Sliding and Interlocking vehicle chassis frame	29-02-2020
10	TEMP/E-1/2480/2021-MUM	202121002275	Vehicle Chassis Frame with sliding and Interlocking System	18-01-2021
11	TEMP/E-1/3541/2021-MUM	202121003496	Solid Damping System with Variable Length Facility	27-01-2021
12	TEMP/E-1/22107/2022-MUM	202221019975	Wood Seasoning Cum Straightening Device	01-04-2022
13	TEMP/E-1/24904/2022-MUM	202221022532	Solar Distillation System With Evaporative Surface Augmentation	16-04-2022

11. Achievements/Research project:

Sr. No.	Project	Sanctioning Year	Year of completion	Brief Description of project	Cost of Project in Rs	Sanctioning Authority
1	Energy Efficiency Improvement Program	2011	2012	Energy Efficiency Improvement Program in COEP hostel campus installations of SWHS of appx.25 thousand LPD,LED street lighting, fan regulators, (FTL , T ₅)	Rs 25 Lacks	Govt. of Maharashtra (MEDA)
2	Installation of 6 kW mixed axis water turbine on right canal of Akkalpada Dam.	2018	ongoing	It will generate electrical energy by harvesting kinetic energy of flowing stream. Generated power is being utilized at dam location itself if excess can be pumped into the greed	2.96 Lacks	District Planning Commission (DPC)
3	Design development of Tubular hemispherical Solar Water Heater	2018	2019	500 LPD solar water heater system is installed at boy's Hostel	40000	JSS Air Technology Pune and legend Irrigation System Nasik

12 Achievements

Sr.No.	Event	Year	Brief Description of Project	Type of Achievement
1	Design and Development of Own House, on Energy Efficient building principle	2003	Extended duct work with Solar chimney for passive ventilation. Turbo ventilator installed on chimney for active ventilation. Vented Cavity wall. Use of thermal mass management and passive architecture. Solar water heater (made by taking help of plumber at site)on stair case cap, Colour selection etc.	News in Lokmat news paper in Dhule,Nagpur edition etc. Telecasted on DD Sahyandri on 26th Sept.03 and on STARMAZA on 21st February 2010 Inspiring interview was broadcasted on Dhule FM station. Inspiring interview was broadcasted on Interview on 93.5 red FM 2022
2	Energy efficiency improvement in Dall mills, Jalgaon	2004	Energy saving through solar air heaters/biomass gasifires for heating pulses, proper ventilation through the Dall mills	Suggestions were implemented by Dall Mills to improve Energy Efficiency.
3	Establishment of Energy Cell In COEP	2010	Established an Energy Cell in COEP for students of all Disciplines	Energy Conservation based interdisciplinary projects were undertaken by students. Energy cell members(Faculty as energy auditors) conducting energy audit at various places such as Pune, Echalkaranji etc.
4	Appointed by AICTE Delhi to examine the research proposals	2013	Research Proposal Scheme(RPS) and others at AICTE ,Delhi for various engineering institutes all over India	How to write, apply the research proposals to AICTE and the norms of sanctioning the same.
5	Nominated for 8 th Sate level Awards for Excellence in energy conservation and	2013	Utilization MEDA grand of Rs 25 Lacks under energy efficiency improvement programe in COEP hostel campus installations of SWHS of appx.25 thousand	Presented the work in front of judges and also sharing the knowledge with other nominated organizations

	management		LPD,LED street lighting, fan regulators, (FTL, T ₅)	
6	Minimizing heat gain through sheet metal roof top for comfort	2013	Sheet metal roof top covered from bottom side with white curtain, passage between curtain and roof is connected to solar chimney for hot air ventilation.	*Barbour shop usage time extended up to 12 noon in summer.(Wadibhokar road,Deopur, Dhule) *Sustainable environment in Halwai shop. (Trambak Nagar Dhule).
7	Minimizing heat gain through Slab	2014	Slab covered by white curtain, prepared from waste sarees and lime /white paint	News in Divya Marithi News paper(Temp.decreased in room by 4 ⁰ C) Letter of Appreciation issued from Shri Girish B Patil Dy.SP State CID,Dhule

13 Recognition:

Recognized PhD guide in Mechanical Engineering from October 2017 at KBC North Maharashtra University, Jalgaon

14. Position Held in College (Other than teaching e.g. In-charge of lab, Cell, Department, Hostel, Library, Games, Laboratory etc): At COEP

Sr.No.	Position Held	Duration	Responsibilities
1	Departmental Coordinator of Exam (DCE) ,at COEP Pune	2011 to 2012	Preparation of time table for mid sem and end sem exam for UG and PG courses. Conduction of exam in coordination with exam cell.
2	Coordinator (Mechtrics and paradigm)- Pune's National Level Annual Technical Fest- MindSpark at College of Engineering Pune	8 to 10 Oct 2010	To Plan, Manage, control and Execution of different activities with student volunteers. Preparation of feasible models for three rounds of Mechtrics event
3	Staff Adviser of gathering managing committee, "NINAD",2010	2010	Coordinate students in various traditional day activities
4	Inter Engg.Sports Meet Coordinator for Zest at College of Engineering Pune 2010	23 rd Jan to 26 th Jan 2011	Coordinate students in various sport activities i.e.Box Cricket and Basket Ball
5	Coordinator(Mechtrics and Energy Efficient Building) - , Pune's National Level Annual Technical Fest- Mind Spark at College of Engineering Pune 2011	2011	To Plan, Manage, control and Execution of different activities with student volunteers. Preparation of feasible models for three rounds of Mechtrics event
6	Industrial visit coordinator	2011	Planning of travelling from Pune to Nasik and coordinate, guide the students during visit to Eklahare thermal power plant, Nasik
7	Industrial visit coordinator	2010/2011	Planning of travelling , coordinate, guide the students during visit to Karaj Dairy Pune
8	Scrutiny committee member for recruitment of non-teaching staff in COEP	25 July 2014	Scrutiny of all applications as per requirements in the advertisement such as qualification ,age ,reservations etc.
9	Scrutiny committee member for recruitment of teaching	Aug 2014	Scrutiny of all applications as per requirements in the

staff in COEP	advertisement such as qualification ,age ,reservations etc.
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15. Position Held in College (Other than teaching e.g. In-charge of lab, Cell, Department, Hostel, Library, Games, and Laboratory etc.): at SSVPS', BSD, COE, Dhule

Sr.No.	Position Held	Duration	Responsibilities
1	Academic Coordinator of Institute	2014/15 2015/16	Overall coordination of academic activities in the college
2	Departmental Coordinator of Exam (DCE)	2012	Preparation of time table for various ISE. Conduction of exam.
3	Coordinator technical workshops, seminar etc.	2012 till date	Seminar on "Opportunities in Engineering and Medical Education" for 12th Std. students Sunday 11 Jan 2015 By S.S.Kalantri, APEX,Aurangabad Seminar on "GATE Guidance " for TE and BE students of all branches 22 Jan 2016 By S.S.Kalantri, APEX,Aurangabad
4	I C Engine Lab In charge	2012-2013	Overall control of lab processes, Maintaining CSR and DSR of Lab, Identification of resources required as per academic requirement, Purchasing process initiation for lab requirements, Maintenance of Lab Equipment.
6	Heat Transfer Lab In charge	2015 till date	Overall control of lab processes, Maintaining CSR and DSR of Lab, Identification of resources required as per academic requirement, Purchasing process initiation for lab requirements, Maintenance of Lab Equipment.
7	Minor Seminar and Project Coordinator	Academic Year 2014 -2015	Planning and execution through topic selection, progress monitoring, Evaluation of final year students of the department.
8	Techno-Fest event Coordinator (Mechtrics)	2014	To Plan, Manage, control and Execution of different activities with student volunteers. Preparation of feasible models for three rounds of Mechtrics event
9	Techno-Fest event Coordinator (Mechtrics)	2015	To Plan, Manage, control and Execution of different activities with student volunteers. Preparation of feasible models for three rounds of Mechtrics event
10	Techno-Fest event Coordinator (Mechtrics)	05 - 06 March 2016	To Plan, Manage, control and Execution of different activities with student volunteers. Preparation of feasible models for three rounds of Mechtrics event

16 University Level Duties

1. Nominee of the Vice Chancellor/Chairman for selection of Assistant Professor and Lecturer in the Department of Mechanical Engineering. SNJB's Late Sau. Bhavarlalji Jain College of Engineering,Neminagar Chandvad, **Nasik** on 26th November 2011. for Staff Approval Interview at their campus
2. BOS Member for DBATU, Lonere
3. VC nominee on Research and Innovation cell on KBENMU,Jalgaon
4. Worked as committee member of syllabus setting committee for ME Thermal Engineering, under the faculty of Engineering and Technology North Maharashtra University Jalgaon, for the same attended one day workshop at Godavari Foundation's Godavari College of Engineering Jalgaon 3 Sept.2012.
5. Worked as committee member of syllabus setting committee for SE Mechanical/Automobile Engineering ,under the faculty of engineering and Technology North Maharashtra University Jalgaon, for the same attended one day workshop at The Shirpur Education Society's R.C.Patel Institute of Technology 9 Feb.2013.
6. Worked as committee member of syllabus setting committee for TE Mechanical under the faculty of engineering and Technology North Maharashtra University Jalgaon, for the same attended one day workshop at PSGVPM's College of Engineering Shahada 15 Feb.2014.
7. Worked as Chairman / member of paper setting committee for UG and PG Mechanical Engineering course, committee appointed by Controller of Examination / Chairman - Board of studies / Dean – Engineering.

8. Worked as Internal/External examiner for University practical / oral examination at UG level.
9. Worked as Internal/External examiner for University project examination at UG level.
10. Worked as theory paper examiner/moderator for Central Assessment Program (CAP), conducted by North Maharashtra University for UG and PG.
11. Worked as internal squad for university examination.

17. Details of Short Term Training Program / Refresher Course/ Conference/Exhibitions etc. Attended:

Sr. No	Name of Institute	From	To	Title
01	SSVPS', B.S.Deore, College of Engineering and polytechnic, Dhule	21 st July 1994	23 rd July 1994	Special course on induction of teachers
02	SSVPS', B.S.Deore, College of Engineering, Dhule	22 nd October 2001	9 th November 2001	Recent Trends in Computer Visual Aids for Effective Teaching
03	SSVPS', B.S.Deore, College of Engineering, Dhule	10 th Feb2002	10 th Feb2002	Web based Collaborative Engineering and CATIAV5
04	SSVPS', B.S.Deore, College of Engineering, Dhule	1 st April 2002	12 th April 2002	Incubating Entrepreneur's Spirit
05	Govt.Polytechnic Dhule	25 th Nov.2002	6 th Dec 2002	Effective curriculum implementation and students assessment norms
06	SSVPS', B.S.Deore, College of Engineering, Dhule	16 th June 2003	28 th June 2003	AutoCAD 2000 and its applications
07	SSVPS', B.S.Deore, College of Engineering, Dhule	13 th Sept 2003	13 th Sept 2003	Cost effective Housing and Energy management
08	CU Denwar PLACES Colorado University USA and S. S. V. P. S. B. S. D. College of Engg. Dhule	4 ^h April 2005	14 ^h April 2005	Manufacturing of small wind generators and renewable energy technologies
09	Winrock International India New Delhi	20 th April2006	22 nd April 2006	Energy Efficiency capacity Building Program for Various Stakeholders
10	Tridiagonal solutions Pvt.Ltd.Pune	20 th Nov 2006	23 rd Dec 2006	An introductory course in commercial Computational Fluid dynamics
11	Jawaharlal Darda institute of Engineering and Technology, Yavatmal	4 th June 2007	8 th June 2007	A Course in Computational Fluid Dynamics
12	Forbes Marshall Pune	27 th July 2009	31 st July 2009	Programme on Steam Engineering and Energy conversion
13	ACREX 2010,Goregaon,Mumbai	18 th Feb. 2010	18 th Feb. 2010	International Exhibition on RAC
14	MEDA at Lee Meridian, Pune	26 th Nov 2010	26 th Nov 2010	One Day Training Program for BEE Certified Energy Auditors
15	Intersolar 2011, Goregaon,Mumbai	2011	2011	International Exhibition on Solar Energy applications
16	"ICRTET 2013",at SNJB's Late Sau. Bhavarlalji Jain College of Engineering, Neminagar Chandvad, Nasik	23 rd Feb 2013	23 rd Feb 2013	Session Chair
17	"ICRTET 2014",at SNJB's Late Sau. Bhavarlalji Jain College of Engineering, Neminagar Chandvad, Nasik	29 th April 2014	29 th April 2014	Session Chair

18	"International Conference on advances in Mechanical Engineering", at COEP	29 th May 2014	31 st May 2014	Session Chair (30 th May 2014)
19	"South Asia Communities Volunteers Conference" 2015 Organized by IET at Della Resort Lonawala	2 nd Oct 2015	4 th Oct 2015	Institute representative
20	IET PATW Competition at S. S. V. P. S's B. S. Deore College of Engineering, Dhule	26 th Feb 2014	26 th Feb 2014	Judge for the Competition
21	Management Development Programme (By DBATU) at IIM Lucknow	2 nd March 2020	6 th March 2020	MDP at IIM Lucknow
22	Hybrid Learning training program	5 th August 2022	6 th August 2022	AICTE Delhi
23	SP-TBI Prayas – MONITORING and MENTORING COMMITTEE member	10 th November 2022	In progress	DST
24	Nomination as a member on Board of Innovation ,Incubation and Enterprise	12/10/2018 to 31/08/2022		KBC NMU Jalgaon

18. Details of Conference / Training program Organized as Coordinator / Secretary

Sr. No.	Title / Place / Sponsor	Year	Duration Days
1	Coordinator for housekeeping, cleaning Beatification etc. at 36 th National Conference on Fluid Mechanics and Fluid Power	9 th Nov 2009	03
2	Member of Core Committee, National Conference on "Energy and Sustainable Development", College of Engineering Pune	28 th -29 th Feb.2012	02
3	Coordinator – Intercollegiate Level Technical Event (IMPULSE 2012) September 2012, at S. S. V. P. S's B. S. Deore College of Engineering, Dhule	15 th Sept 2012	01
4	Coordinator - Technical work shop on Energy Efficiency and Renewable Energy at S. S. V. P. S's B. S. Deore College of Engineering, Dhule	16-17 Feb 2013	02
5	Coordinator of workshop, organized in association with PCRA "Energy Audit Do it Yourself"	11 march 2013	01
6	Coordinator – State Level Technical Event (IMPULSE 2013) 18 - 19 September 2013, at S. S. V. P. S's B. S. Deore College of Engineering, Dhule	2013	02
7	Coordinator for One day training program of TAACT on Industrial automation	28 Sept 2013	01
8	Coordinator for One day training program of TAACT on Industrial automation	2015	01

19 Details of Research Paper:

19.1 National conferences:

Sr.	Title of Paper	Title of Conference	Organizer of Conference and Place	Year of Conference
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1	Tubular Heat Exchanger	National Conference at 'eTIME04' A	KDK College of Engg., Nagpur	2004
2	Amalgamation of Passive Architecture and Non-Conventional Energy Sources for human Comfort'	National Conference on 'Energy and Fuel Issues for Future' (NCEFIF- 04),	PIET Pune (COEP)	2004
3	Performance analysis of waste to best solar water heater	National conference on energy and environmental for sustainable development 2022	Govt. College of Engineering and research, Avasari Khurd, Taluka Ambegaon, District, Pune	2022
4	Design, development and evaluation of solar tunnel dryer for seasoning and straightening of bamboos	National conference on energy and environmental for sustainable development 2022	Govt. College of Engineering and research, Avasari Khurd, Taluka Ambegaon, District, Pune	2022
5	Experimental and Numerical Simulation of Flows over Wetted Surfaces of Different Cross Section Profile Pipes	National conference on energy and environmental for sustainable development 2022	Govt. College of Engineering and research, Avasari Khurd, Taluka Ambegaon, District, Pune	2022

19.2 International conferences:

Sr. No	Title of Paper	Title of Conference	Organizer of Conference and Place	Year of Conference
1	Natural Convection Heat Transfer Enhancement in Horizontal Rectangular Fin Array with Inverted Notch	18th National and 7th ISHMT-ASME heat and Mass Transfer Conference,	IIT Guwahati,	2006
2	Natural Convection Heat Transfer Enhancement in Horizontal Rectangular Fin Array with Inverted Notch	Notch'19th National and 8th ISHMT-ASME Heat and Mass Transfer Conference	JNTU Hyderabad,	2008
3	Innovative Evaporative Cooling for Domestic Applications	International Conference on Emerging Trends in Engineering ICETE2010.	Dr. J. J. Magdum College of Engineering, Jaysingpur Sangli	2010
4	Schlieren Shadowgraph Flow Visualization Studies of Horizontal Rectangular Fin Arrays under Natural Convection	Poster Presented in ASME . International Mechanical Engg. Congress and Exposition 09 (IMECE) at	International Mechanical Engg. Congress and Exposition 09 (IMECE) Florida U.S	2009
5	Flow Patterns using Smoke Technique from Inverted Notched Horizontal Rectangular Fin Arrays, Losing Heat in Natural Convection Conditions	Poster Presented in ASME . International Mechanical Engg. Congress and Exposition 09 (IMECE) at	International Mechanical Engg. Congress and Exposition 09 (IMECE) Florida U.S	2009
6	Efficient techniques of Air Conditioning	I-COST 2011	SSVPS B S Deore, College of Engineering, Dhule	13 – 15 Jan 2011
7	Shape Optimization and CFD Analysis for Nozzle in Low Wind Velocity Regime for Natural Ventilation	I-COST 2011	SSVPS B S Deore, College of Engineering, Dhule	13 – 15 Jan 2011

8	Efficient techniques of Air Conditioning	WCE-2011	World Congress on Engineering 2011 (WCE 2011) in London, U.K.	6-8 July, 2011
9	Solar dryer cum sterilization system	National Conference on Energy and Sustainable Development,	College of Engineering Pune	28 -29 Feb.2012
10	Wind Energy Harnessing in Moving Trains	National Conference on Energy and Sustainable Development,	College of Engineering Pune ISSN: 2319-6890	28 -29 Feb.2012
11	Solar dryer cum sterilization system	National Conference on Energy and Sustainable Development,	College of Engineering Pune	28 -29 Feb.2012
12	Bio-wastes for Heating Water	National Conference on Energy and Sustainable Development,	College of Engineering Pune	28 -29 Feb.2012
13	Energy Conservation Opportunities at CoEP Hostel Campus	National Conference on Energy and Sustainable Development,	College of Engineering Pune	28 -29 Feb.2012
14	CFD simulation of solar chimney for natural ventilation	National Conference on Energy and Sustainable Development,	College of Engineering Pune	28 -29 Feb.2012
15	AAC Solar Cooker	International conference on recent trends in Engineering and Technology	SNJB,s College of Engineering Chandwad	28 -30 April 2016
16	Analysis of Vehicle Accidents in a Parameter of Quantitative study and Evaluation of Safety Parameters	Advances in Mechanical Engineering	College of Engineering Pune	23 – 25 June 2022
17	Evaluating Frontal Crash Test of Developed Vehicle Chassis Frame Structure to Identify Crashworthiness Through Scaled Model for Injury reduction	International conference on Emerging trends in Engineering and Technology	Department of Mechanical Engineering, Sandip Institute of Engineering and management, sandip foundation, Nashik	20 – 21 July 2022

19.3 Journal Publications :(International)

Sr.No	Title of Paper	Name of Journal	ISSN No.	Date	Place
1	"Natural Convection Heat Transfer From Horizontal Rectangular Inverted Notched Fin Arrays",	ASME Journal of Heat Transfer Vol.131, Iss.8	0022-1481	Aug.2009	US
2	"Parametric Study of Rectangular Inverted Notched Fin Arrays in Natural Convection Heat Transfer", International Journal of Computing and Applications	International Journal of Computing and Applications (IJCA) Vol. 4 No.2	0973-5704	December 2009	Gaziabad, U.P. India
3	"Natural Convection Heat Transfer from Horizontal Rectangular Inverted Notched Fin Arrays"	International Journal of Engg. Research and Industrial Applications (IJERIA) Vol.2 No.VII.	0974-1518	2009	Pune
4	"Flexible Coupling-A New Approach"	International Organization of Scientific research IOSR Journal.Vol.6	2278-8727	2013	Ghaziabad
5	"Effect on Comfort using	International Journal of Engg.	2278-0181	2014	Gandhi Nagar

	Evaporative cooling assisted building Ventilation with rooftop ventilators”	Research and Technology (IJERT)			Gujrat
6	CFD Analysis of Double Pass Foldable Cum Portable Solar Air Heater	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395 - 0056 p-ISSN: 2395-0072	2017	Fast Track Publication India
7	Design and Virtual Validation of Ambulance Stretcher as per Automotive Industry Standard	International Journal of Innovative Research in Science, Engineering and Technology	ISSN(Online) : 2319-8753 ISSN (Print) : 2347-6710	2017	Tamilnadu, India
8	Heat Transfer Analysis of Autoclaved Aerated Concrete (AAC) Brick Box Type Solar Cooker with Side Loading	International Journal of Advance Research and Innovative Ideas In Education	ISSN(O)2395-4396	2019	New Delhi
9	Hydrodynamic Analysis of Spar buoyancy Platform for Floating Vertical Axis Wind Turbine in Shallow Water	International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 8683-8696	ISSN: 2005-4238 IJAST	2020	PO Box 5014, Sandy Bay TAS 7005, Australia
10	Analysis of Vehicle Accidents in a Parameter of Quantitative study and Evaluation of Safety Parameters	Materials today			
11	Evaluating Frontal Crash Test of Developed Vehicle Chassis Frame Structure to Identify Crashworthiness Through Scaled Model for Injury reduction	Mathematical Statistician and Engineering Applications	ISSN : 2094-0343	19 July2022	

20 Special Lectures Delivered:

Sr.No.	Title of Lecture	Title of Program and Place of Lecture and Date
1	“Energy Crisis in Upcoming Future”	Expert Lecture for Students from Mechanical and Electrical Engg. of Government Poly Dhule, 12 March 2009
2	“Business Opportunities”	MITCON Training for, “Business opportunities in Renewable energy field” at Shivajinagar, Pune
3	“Green Building”	“Resent trends in Energy utilization”, Short Term Training Programe for Polytechnic teachers at Govt. Polytechnic Nasik 22- 26 March 2010
4	“Energy Efficient Building”	Expert Lecture for final year Mech. and Elect. Students of Government Poly Dhule, 15 Feb 2010
5	“Energy Efficiency”	Expert Lecture for Faculty and students in Godavari College of Engineering, Jalgaon 8 Oct 2012
7	“Energy Audit Techniques”	Expert Lecture for Students of Government Poly Dhule, 9 Oct 2012
6	“Energy Conservation”	On occasion Golden Jubilee Year, In Series of lectures ,First Lecture for Staff Students of CS Bafana High school Fagne, 12 Sept. 2013
8	“MPFI and Fuel Supply System”	Expert Lecture for Students of SSVPS B S Deore, Polytechnic Dhule, 25 Sept 2012
9	“Energy Conservation”	Lectures in two sessions for Engineering students of JIIU’s Jamia Institute of Engineering and Management Studies, Akkalkuwa
10	Project selection guidelines for UG	Expert Lecture for students mechanical Engg. Department Govt.

	students	College of Engg. Chandrapur
11	Innovations in solar thermal in FDP	Expert Lecture in Faculty development program SGGGS College of Engineering, Nanded
12	Project selection guidelines for UG students	Expert Lecture for students in College of Engineering Pune
13	Stages in project development	SY and Final year students in GP Dhule 19 Jan 2019
14	"Energy Efficient Building"	Expert Lecture for students in KVN Naik College of Engg. Nasik
15	Energy Audit	Expert Lecture for students in College of Engineering ,Pune
16	"Renewable Energy – A future alternative"	Expert Lecture in Faculty development program on "Renewable Energy – A future alternative" at Govt. Poly Thane, 17-21 Jan 2022, 19/01/2022
17	Patent drafting for beginners	Expert Lecture on Faculty development program on "Patent drafting for beginners", 6-11 December 2021at J D College of Engg. and Management Nagpur
18	My story –Motivational Session by successful innovator"	Webinar under the banner of IQAC,IIC on "My story –Motivational Session by successful innovator", 11 January 2022 J D College of Engg. and Management Nagpur
19	Innovations in Solar Thermal Energy Utilization	Expert Lecture in AICTE STTP, at Sharad Institute of Technology Engineering ,Yadrav, Kolhapur 14-19 June 2021
20	Solar Energy – Opportunities, Key Challenges and Potential solutions	Expert Lecture for students of MET Bhujbal Knowledge city Institute of Technology, Polytechnic Nasik 04 March 2022
21	How Patent Encourage the Indigenous Productivity	Expert Lecture for employees of Hindustan Aeronautics Limited (HAL) Ozar Nasik in National Productivity Week 12-18 Feb. 2022 on 14 Feb.
22	Heat Transfer in Solar Thermal Applications	Expert Lecture on TY and Final year students at SNJB Chandwad Sept 2021
23	Project selection and Innovation in solar thermal energy	Online webinar/event for NDLI Club of HSM's SSGBCOET, Bhusawal. 28 th April 2022
24	Innovations In Solar Thermal Energy Applications	Keynote lecture in National Conference at Govt. College of Engineering and Research, Avasari Khurd, Taluka Ambegaon, District, Pune,5-6 JULY 2022
25	Innovations In Solar Thermal Energy Applications	Expert Lecture for students of Godavari College of Engineering Jalgaon 20 June 2022
26	innovations in Solar thermal applications on	Webinar on BSM National Anusandhan 28/08/2022

21 National and International conferences: 22 Papers

22 International Journal Publications: 9 Publications

23 Special Lectures Delivered: 45 on Energy Conservation, Audit and Innovations in Solar Thermal Applications

24 Patent filed (18) /granted (06)

1 Indian patent granted on multipurpose evaporative cooling

1 Indian patent granted on multipurpose hollow hemispherical solar collector

1 Indian patent granted on Curved surface absorber type solar fluid heater

2 international Patent Granted: 01 in USA, 01 in China (Solar Water Heater)

1 Indian Patent is granted on Brick Box Type Solar Cooker

12 patents filed and in process

Guiding 6 PhD. Students

25. Membership of Professional Bodies:

Sr.No.	Name of the Body / Head Quarter	Grade of Membership	Membership Number
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		(Fellow / Member)	
1	The Institution of Engineers	Member	AM83358/7
2	Indian Society for Technical Education	Life Member	LM13045
3	Indian Association of Energy Management Professionals (IAEMP)	Life Member	-

26. Project / Dissertation / Thesis Guided / Supervised

Sr. No.	Level	Number of Projects	No. of students
1	Diploma	Approx. 40	125
2	Under Graduate Level	Approx. 50	195
3	Post Graduate Level	05	05
4	Doctor of Philosophy	06	06

27. Details of Computer Software Learned:

Sr. No	Name of Software	Level of Understanding		
		1 – Lower	2 – Medium	3 – High
1	AutoCAD -2006		2	
2	CFD		2	

I declare that the above furnished information is correct to the best of my knowledge and belief.

Signature
Dr. Suryawanshi Sanjeev Damodar
 Professor and Head
 Mechanical Engineering Department,
 SSVS Sanstha's, Bapusaheb Shivajirao Deore,
 College of Engineering, Dhule-424002

Date: 16/03/2023

Place: Dhule