



AISSMS
COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Mechanical Engineering

Faculty Profile

Dr. Manish Sheshrao Deshmukh

PhD (Mechanical Engineering)

Professor and PhD Coordinator

✉ msdeshmukh@aiissmscoe.com

msdngpcoe@gmail.com

☎ (020) 26058587; Extn: xxxx

🔗 <https://scholar.google.co.in/citations?user=SCDadj8AAAAJ&hl=en>

<https://in.linkedin.com/in/dr-manish-deshmukh-10035b16>



Research Areas / Areas of Interest

Thermal Engineering, Unconventional Energy, HVAC & R Internal Combustion Engine ATD

Personal Details

Date of Birth : 13 / 07 / 1972

Domicile: Maharashtra

Gender : Male

Blood Group: AB+ve

Contact Details: A1 302, Sun Horizon Society, Behind D Mart

Laxman Nagar, Balewadi Pune-411045 (M. S.) India

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Mechanical Engineering	Pune	--	Sept 2012
2	M.E.	Mechanical – Design Engg.	Pune	I st	May 2001
3	B.E.	Mechanical Engineering	Mumbai	I st	May 1996
4	Diploma	Mechanical Engineering	RBTE, Mumbai	I st	Jun1993

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	29	01
2	Research	00	00
3	Industry	00	00
4.	Others	--	--
Total		29	1

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	HVAC & R	UG	BE (Mechanical)	08
2	RAC	UG	TE (Mechanical)	12
3	Engg. Thermo	UG	SE (Mechanical)	18
4	Thermal Engineering	PG	ME (HPE)	06

5	EAM	UG	SE (Mechanical)	03
6	PPE	UG	BE (Mechanical)	04

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	05	18	00	15	13
Conferences	08	12		03	--

Publication Details (Journals)

S. N	Authors	Title of Paper	Name of the Journal	Volume/ Issue/Yea r/ PP	ISSN No.	Indexing
1	M. S. Deshmukh , D. S. Deshmukh, Gadkar Sagar, Atul Patil	Utilizing membrane technology to optimized diesel engine performance through oxygen-enriched air combustion	Eurasian Chemical Communications	Accepted and In Press	2717-0535 / 2676-6280	ESCI (WEB OF SCIENCE), SCOPUS-pending
2	M. S. Deshmukh , D. S. Deshmukh, Manoj Dange, Atul Patil	Experimental Analysis of Cylindrical Staggered Pin Fin Heat Sink for Force Convective Heat Transfer Variation and its Enhancement	Eurasian Chemical Communications	Accepted and In Press	2717-0535 / 2676-6280	ESCI (WEB OF SCIENCE), SCOPUS-pending
3.	Manish S. Deshmukh and Dheeraj S. Deshmukh	Enhancement of Immunohematology Storage for Pharmaceutical Applications	Stochastic Modeling & Applications	Vol. 26 No. 3, Part – 6, 727 – 738	0972-3641	UGC CARE-I
4	Manish Deshmukh , Ganesh Awchat	Design and fatigue analysis of welded tee-joint of a thin walled tube using ANSYS workbench	International Journal of Mechanical Engineering	Vol. 7 No. 1, 2022	0974-5823	SCOPUS, UGC CARE-I
5	Pandit. S. Patil, *, Dilip R. Pangavhane, Sanjay P. Shekhawat, Dr Dheeraj S. Deshmukh and Dr M S Deshmukh	Development of an IOT-Based Solar Banana Dryer Monitoring and Control System	International Journal of Mechanical Engineering	Vol. 7 No. 1, 2022	0974-5823	SCOPUS, UGC CARE-I
6	Dr. B. S. Bhaskar, Dr. M. S. Deshmukh , Dr. S.K. Choudhary, Dr. D. S. Deshmukh	Heat Transfer Through Porous Materials (Aluminum Foam) Empirical Optimization of a Heat Exchanger	International Journal of Mechanical Engineering	Vol. 7 No. 1, 2022	0974-5823	SCOPUS, UGC CARE-I

7	Atul A. Pati ¹ , M. S. Deshmukh , D. S. Deshmukh	Experimental Investigation of Modified Solar system with Copper Box Substituting absorber.	International Journal of Mechanical Engineering	Vol. 7 , 475-481	0974-5823	SCOPUS, UGC CARE-I
8	Dr. Manish S. Deshmukh , Sudarshan S. Shinde	Technology Involving Absorption Refrigeration Run by Solar Energy: A Review	Design Engineering	Vol 2021: Issue 09, 1970-1980	0011-9342	SCOPUS
9	Manish Deshmukh , Dheeraj Deshmukh, Sandip P. Chavhan	JTEN-2020-550-A , Critical Assessment of the Implementation of Phase Change Materials in the VCC of Refrigerator	Yildiz Technical University Journal of Thermal Engineering	Vol-08 issue -04	2148-7847	SCOPUS, ESCI (WEB OF SCIENCE)
10	Shailesh Pimpale, Manish Deshmukh , Rajesh Shelke. Dheeraj Deshmukh	Experimental Investigation on Hip Implant Materials Development through Analytical and Finite Element Analysis: 3D Modelled Computed Tomography	Biointerface Research in Applied Chemistry	Volume 12, Issue 3, 2022	2069-5837	SCOPUS, ESCI (WEB OF SCIENCE)
11	Shailesh Pimpale, Manish Deshmukh , Rajesh Shelke. Dheeraj Deshmukh	Biomaterial Properties of Femur Implant on Acetabulum Erosion: A Review	Journal of Biomimetics, Biomaterials and Biomedical Engineering	Vol-51 June-2021, 39-62	2296-9837 / 2296-9845	SCOPUS, ESCI (WEB OF SCIENCE)
12	Manish DESHMUKH , Jitendra Satpute, Nikhil Purwant, Dheeraj Deshmukh, Sandip Chavhan	Comparative Analysis Of Copper Oxide (CuO)-Based Spiral Flow Photovoltaic Sheet And Tube Thermal System. https://doi.org/10.2298/TSCI201112197D	Journal Thermal Science	Vol-26, issue No-2C, 1747-1755	0354-9836 / 2334-7163	ESCI (WEB OF SCIENCE)
UGC Approved Journal- 12 Nos (Published before 14 June 2019)						
1	Dr. M. S. Deshmukh , Dr. D. S. Deshmukh and Dr. M. R. Phate	"Development of Experimental Data Based Model Using DA Technique with ANN for I.C. Engine Operating Performance Analysis"	International Journal of Research in Advent Technology	Vol.7, No.5, May 2019 , pp. 170-178	2321-9637	UGC Journal No :48768 Till 14 June 2021
2	Dr. M. R. Phate, Dr. M. S. Deshmukh , Shraddha Toney;	Critical Analysis of Machining Performance of Ferrous Materials Using Artificial Neural Network.	International Journal of Advance & Innovative research	Volume 6 issue-2 (XXIV) (Apr-June 2019)	2394-7780	UGC Journal No :63571 Till 14 June 2021
3.	Dr. M. S. Deshmukh Dr. M. R. Phate Dr. D. S. Deshmukh	Study of Performance Parameters of Inclined Heat Pipe Fitted Window A/C System.	Journal of Emerging Technologies and Innovative Research	Vol 6, No 15(2019) , PP :413-419	2349-5162	UGC Journal No :63975 Till 14 June 2021

4	Phate, Dr. Mangesh & Deshmukh, Manish & Toney, Shraddha & Phate, Vikas.;	Multi- Attributes Decision Making to Evaluate the Performance of Indian Small- Scale Machining Industry by using Field Data Based TOPSIS Method	International Journal of Research and Analytical Review	Vol 6, No 2(2019), PP :714-725	2348-1269	UGC Journal No :43602 Till 14 June 2021
5	Phate, Dr. Mangesh & Deshmukh, Manish & Toney, Shraddha & Phate, Vikas.;	Analyze the Impact of Machining Environment on Human Energy in Indian Small- Scale Industries	International Journal of Research in Advent Technology	Vol 7, No 4(2019), PP :413-419	2321-9637	UGC Journal No :48768 Till 14 June 2021
6	Dr. M. S. Deshmukh Dr. M. R Phate Dr. D. S. Deshmukh	Mathematical Model for Evaluation of Backpressure Effect of DPF On Performance Parameters of VCR 4S CI Engine	Journal of Emerging Technologies and Innovative Research	Vol 6, No 15(2019), PP :627-636	2349-5162	UGC Journal No :63975 Till 14 June 2021
7	Dr. M. S. Deshmukh Dr. M. R Phate Dr. D. S. Deshmukh	Enhancement of VCR 4S Diesel Engine Performance and Emission Control Parameters by Improving Design of DPF.	International Journal of Research and Analytical Review	Vol 6, No 2(2019), PP :398-404	2348-1269	UGC Journal No :43602 Till 14 June 2021
8	Dr. M. S. Deshmukh Dr. M. R Phate Dr. D. S. Deshmukh	Investigation of Performance of CI Engine with rotating Energy Exchanger (REE) for variation of Intake Air temperature.	International Journal of Research and Analytical Review	Vol 6, No 2(2019), PP :218-224	2348-1269	UGC Journal No :43602 Till 14 June 2021
9	Dr. M. S. Deshmukh Dr. M. R Phate Dr. D. S. Deshmukh	Parametric study of performance and emission characteristics for 4S SI Engine using CURUMA LONGA L leaves-based biofuel	International journal of Advanced and Innovative Research	Volume 6, Issue 2 (April - June 2019)	2394-7780	UGC Journal No :63571 Till 14 June 2021
10	Dr. M. S. Deshmukh Dr. D. S. Deshmukh	Performance and emission parametric study using novel diesel particulate filter for VCR CI Engine	International journal of Advanced and Innovative Research	Volume 6, Issue2,(April - June 2019) PP-19-27	2394-7780	UGC Journal No :63571 Till 14 June 2021
11	Dr. M. S. Deshmukh Dr. D. S. Deshmukh	Dimensional Analysis of Diesel Particulate Filter on Compression Ignition Engine Performance	Universal Review-Scientific Information and	(02 June 2019) Volume: 10, Number:	2277-2723	UGC Journal No :40792 Till 14

			Technological Board of Sadhana	6, PP-110-119		June 2021
12	V. W. Khond, M.M. Deshmukh, M.S. Deshmukh & K.S. Shelke;	Experimental Investigation of Effect of Low Space Velocity on Performance of Diesel Particulate	International Journal of Applied Engineering Research	Volume 5 Number 6 (2010) pp. 1053–1058	0973-9769	UGC Journal NO-64529 Till 14 June 2021
Non Scopus Journal- 18 Nos						
1	Manish S Deshmukh, Atul Patil, Dheeraj S Deshmukh	Investigation of the Exhaust Discharger System to Reduce Backpressure on the Single Cylinder C. I. Engine,	Turkish Online Journal of Qualitative Inquiry (TOJQI)	Volume 12, Issue 10, October 2021: 213-227	e-ISSN 1309-6591	
2	M. S. Deshmukh , D. S. Deshmukh	Optimization Technique Focused on Back-Pressure Production Occurrences of Fixed 4-Stroke Diesel Generator using ANN & DA Modeling	Turkish Online Journal of Qualitative Inquiry (TOJQI)	Volume 12, Issue 10, October 2021: 194-212	e-ISSN 1309-6591	
3.	Pundlik N. Patil, Dr.Dheeraj S. Deshmukh, Dr.Vilas. S. Patil, Dr.Manish.S. Deshmukh;	“Investigation of the Effect of LPG on the Performance and Frictional Power Loss for Multi Cylinder SI Engine”,	International Journal of Innovative Research in Advanced Engineering	Issue-9, Volume-7, (September 2020), Page No. 354 -360,	2349-2163	Non Scopus
4	DS Deshmukh, MS Deshmukh, JP Modak;	Experimental Investigation of Effects of Operating Variables on A C. I. Engine Performance	International Journal of Industrial Engineering and Technology	Volume 2, Number 1 (2010), pp. 197--206	0974-3146	Non Scopus
5	M.S. Deshmukh, J.P. Modak and K.M. Nayak	Effect of Diesel Particulate Spherical Type Filter On Single Cylinder Stationary C. I. Engine Performance and Exhaust Emission.	International Journal of Engineering Research and Technology	Volume 3, Number 3a (2010), pp. 319-326	0974 – 3154	Non-Scopus
6	D. S. Deshmukh J. P. Modak, M. S. Deshmukh,	Design Considerations for Diesel Particulate Filter for Enhancement of Engine Performance and Emission Control	International Journal of Engineering Research and Technology	Volume 3, Number 3 (2010), pp. 761—774	0974 – 3154	Non-Scopus
7	P D. Patil and S.U. Patel Dheeraj S. Deshmukh, M.S. Deshmukh;	Development of Experimental Data Based Model for Backpressure Generation Phenomenon on a Stationary C.I. Engine	International Journal of Innovations in Mechanical & Automobile Engineering	(Print), Nov.-2012, Issue – III, pp. 27-48	2395-4493	Non Scopus

8	S.U. Patel Dheeraj S. Deshmukh, M.S. Deshmukh , P D. Patil;	Experimental Investigation on an Internal Combustion Engine for Operating Performance Enhancement	International Journal of Innovations in Mechanical & Automobile Engineering	(Print), Nov.-.2012, Issue – III, pp. 136-156	2395-4493	Non Scopus
9	A. A. Patil Dheeraj S. Deshmukh, M.S. Deshmukh ;	Investigation of Factors Affecting the After Treatment Device Design for a Compression Ignition Engine	International Journal of Innovations in Mechanical & Automobile Engineering	(Print), Nov.-.2012, Issue – III, pp. 102-118.	2395-4493	Non Scopus
10	Shrikant Dhavale and Dr. M. S. Deshmukh	Performance Comparison of Hydrocarbon Refrigerant as Isobutane R600a and Propane R290 in Domestic Refrigerator as Alternative Refrigerants to R134a	Invention Journal of Research Technology in Engineering & Management (IJRTEM)	Vol-1- Issue-3-2016, Page No: 20-23,	2455-3689	Non Scopus
11	Ritesh Kumar, Dr. Manish S. Deshmukh , Kamal Kumar Ghosh	A review on investigation of performance of pipe-in-pipe helical coil heat exchangers	International Journal for Scientific Research & Development	Vol-3- Issue-4-2015, Page No: 1948-1952,	2321-0613,	Non Scopus
12	R. A.Deshmukh , Dr. M.S. Deshmukh ,P. L. Firake, B.S.Bhaskar	Effect of Heat Pipe on Performance of Window Air-Conditioner	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) (NCIEST-2015))	Vol-03, PP 95-102	2320-334X	Non Scopus
13	Ritesh Kumar and Dr. M. S. Deshmukh ,	Numerical Analysis of heat transfer enhancement in pipe-in-pipe helical coiled heat exchangers	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)	Vol-12, issue no-06 version-II PP-70-75	2320-334X	Non Scopus
14	Shrikant Dhavale and Dr. M. S. Deshmukh	Performance Study of Geotropic Blends of Iso-butane R600a and Propane R290 in Domestic Refrigerator as Alternative Refrigerants to R134a	International Engineering Research Journal (IERJ) -4889-4893	Special Issue 2pp	2395-1621	Non Scopus
15	Pranil C. Patil, M. S. Deshmukh	Performance and Emission Analysis of C.I. Engine using Biodiesels and its Blends	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) (NCIEST-2015))	Vol-03, PP 123-129	2320-334X	Non Scopus
16	Ritesh Kumar, Dr. Manish S. Deshmukh , Kamal Kumar Ghosh	Experimental investigation of performance of pipe-in-pipe helical coil heat exchangers	Institute of engineers, Pune, Annual technical Journal	Vol-39, 2015	ISBN:978-81-924990-3-1	Non Scopus

17	Sudarshan S. Shinde, M. S. Deshmukh , D. S. Deshmukh and S. P. Chavhan;	"The Exploitation of Solar Assisted Desalination in Current Energy Scenario",	International Journal of Advanced Research in Engineering and Technology	Volume 11, Issue 10, October 2020 , pp. 435-446	09 76-6499	Non Scopus
18	Manish DESHMUKH , Dheeraj DESHMUKH and Sandip CHAVHAN	"Investigation of Efficacy of the Assimilated Sectional Air Refinement Unit."	International Journal of Disaster Recovery and Business Continuity (IJDRBC) 2020-12-20,	Vol.:11 No.:3, (2020) , pp. 3229 - 3236	(print) 2005 - 4289 (Online) 2207-6425)	ESCI (WEB OF SCIENCE)

Publication Details (Conferences)

Sr. No.	Authors	Conference National/ International	Date & Year of Publication	Title of Paper	Name of Conference
National Conference-08					
1	M.S. Deshmukh , A. K. Mahalle and P. V. Walke	National Conference	30th Aug. 2003	Alternative fuels - optimization of Engine performance for CI engine	TIME-2003, , KITS, Warangal
2	Dr. N. V. Deshpande, M.S. Deshmukh and A. R. Mandalik	National Conference	11th & 12th Feb 2003	Optimization of engine performance using biodiesels as a fuel for C-I engine	EMOM -2003 by CVRIT and at The Institute of Engineers (I) Nagpur local chapter, Nagpur.
3	M.S. Deshmukh , & D. S. Deshmukh	National Conference	8th & 9th March 2003	Reduction of emission using catalytic converter	VERVE 2K3 at LIT, Nagpur.
4	P. B. Lanjewar & M.S. Deshmukh	National Conference	13-14 Oct. 2004	Effect of Bio diesel fuel on the Performance of Diesel engine	Advancements & Futuristic trends in Mechanical & material Engineering at GZSCOE&T Bathinda, Punjab
5	R. V. Taiwade and M.S. Deshmukh	National Conference	18th - 19th Nov. 2005	"Tribology in sheet metal forming"	Sun rising technologies-2005.Parshwanath college of Engg., Thane, Mumbai
6	P. B. Lanjewar & M.S. Deshmukh	National Conference	5-6 May 2006	Effect of Bio diesel fuel on the Performance of Diesel engine	State of art Technologies in Mechanical Engineering of JNTU Hyderabad

7	Dr. M. S. Deshmukh and Ritesh Kumar	National Conference	5-6 October 2015	Experimental investigation of performance of pipe-in-pipe helically coil heat exchangers	MECHPGCON-2015, Pune
8	MS Deshmukh , DS Deshmukh, KM Nayak;	National Conference and book Article	1 January 2008	Effect of Variation in Injection Pressure on Performance and Exhaust Emission of CI Engine	Biofuels: Engine Performance & Exhaust Emissions ISBN-10 : 8171325742 ISBN-13 : 978-8171325740
International Conference-12					
1	P. B. Lanjewar & M.S. Deshmukh	International Conference	13th - 15th Oct 2006	Effect of verifying injection Pressure on performance & emission at engine using bio diesel	International Conference on Bio fuels mission-2015 Government Engg. College, Bikaner, Rajasthan
2	P. B. Lanjewar & M.S. Deshmukh	International Conference	13th - 15th Oct 2006	Biofuel Green re-sustainable energies of 21st century	International Conference on Bio fuels mission-2015 Government Engg. College of Bikaner, Rajasthan
3	M.S.Deshmukh and B. S. Bhaskar	International Conference	18th - 20th March 2008	Experimental investigation of Window Air conditioner fitted with Heat pipe	International conference on New horizons of Mechanical Engg. Rajiv Gandhi Tech. University Bhopal
4	D. S Deshmukh, M.S.Deshmukh & DR. J. P. Modak	International Conference	22th - 24th Sept 08	Effect of Back pressure on exhaust after treatment system development of C.I. Engine	International Conference. TEAM TECH-2008 at IISc Bangalore,
5	D. S Deshmukh, M.S.Deshmukh & A. A. Patil	International Conference	16th - 18th February - 2009	Design Considerations For Energy Efficient C. I. Engine Exhaust System	ICEEE – 2009 International Conference organized by Mulshi Institute of Technology and Research, Sambhave, Mulshi, Pune.
6	D. S Deshmukh, M.S.Deshmukh & DR. J. P. Modak	International Conference	16th - 18th February - 2009	Possible Causes And Remedies For Backpressure Rise Problem In C. I. Engine	ICEEE – 2009 International Conference organized by Mulshi Institute of Technology and Research, Sambhave, Mulshi, Pune.
7	M.S.Deshmukh , D. S Deshmukh & DR. J. P. Modak	International Conference	16th - 18th February - 2009	Experimental Investigation of Diesel Particulate Filter System on Single cylinder Stationary C. I. Engine	ICEEE – 2009 International Conference organized by Mulshi Institute of Technology and Research, Sambhave, Mulshi, Pune.
8	Dipak C. Talele, Dheeraj S. Deshmukh, Manish S. Deshmukh and V. S. Patil	International Conference	August 24-25, 2019	“Study of the Effect of Air Induction Pressure on a Stationary Compression Ignition Engine Performance through Dimensional Analysis approach”	International conference on Advances in Mechanical and Electrical Engineering (ICAMEE- 19)

9	P. M. Solanki, D. S. Deshmukh, V.R. Diware and M. S. Deshmukh	International Conference	August 24-25, 2019	Development of Generalized Field Data based Mathematical Model and ANN Validation of Thermoelectric Generator System for its Performance Enhancement”	International conference on Advances in Mechanical and Electrical Engineering (ICAMEE- 19)
10	P.N. Patil, D. S. Deshmukh, V. S. Patil and M. S. Deshmukh	International Conference	August 24-25, 2019	“Comparative Analysis of LPG and Gasoline Fuel on Performance and Frictional Power Loss for SI Engine”	International conference on Advances in Mechanical and Electrical Engineering (ICAMEE- 19)
11	S. I. Meshram and M.S.Deshmukh	International Conference	19–21 November 2010	Evaluation of Performance and Emission Characteristics of Turmeric Leaves Based Fuel on 4 Stroke SI Engine	ICETET 2010, India Organized by G. H. Raisoni College of Engineering, Nagpur, India GHR Labs & Research Center
12	M. S. Bhojane and M.S.Deshmukh	International Conference	19–21 November 2010	Effect of Air Preheating on the Performance of C.I. Engine Using Energy Wheel	ICETET 2010, India Organized by G. H. Raisoni College of Engineering, Nagpur, India GHR Labs & Research Center

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided/Guiding	02	12+	20+

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ISTE, New Delhi	National	Life Membership	
Combustion Society of India, IIT Madras	International	Life Membership	
Life membership of The International Association of Engineers (IAENG), Hong Kong	International	Life Membership	
Membership of International Technology and Engineering Educators Association (ITEEA).	International	Life Membership	
Membership of Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), Pune.	International	Life Membership	
Membership of Society of Automotive Engineers (SAE) India.	International	Life Membership	
Membership of Solar Energy Society of India (SESI), India	International	Life Membership	

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	Dr. M. S. Deshmukh et al.	Innovation Patent Australia- Kitchen Items Cleaning Device: Kitchen Items Cleaning and Disinfecting Device Using Water and UV-Light.	2020	Granted on 16th September 2020	Australian Government, Innovation Patent (Patent number: 2020101948)
2	Dr. M. S. Deshmukh et al.	Innovation Patent Indian- Pesticide Sprayer & COVID Sanitization Intelligent Drone.	2021	DOP-21/01/2022	Innovation Patent, 202121062301 (03/2022)

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
01	Fabrication Of Temperature Controlled Solar Dryer	Lambert Academic Publications Germany	978-613-9-47099- 0
02	Study Of WCO Biofuels VCR CI Engine Performance Testing With DPF	Lambert Academic Publications Germany	978-613-9-47099- 0

Research Grants Received

External Agency Funded Research Project (Ongoing)-

Sr. No.	Scheme:	Proposal File No.:	Project Title:	Area:	Period of Project	Total Cost of Project	Company
01	Core Research Grant/ Extramural Research	4645/GEH-Research/policy-1/1021-24/2021/IN-85	Performance Assessment of VCC based Air Water Generator using flat plate type Evaporator.	Science and Education	Started date: 25/05/2022 and End Date: 24/05/2025	5, 01,950.00 (1- Year- Pay 20% , 2- Years- Pay-20%, 3- Years-Pay-60%)	GEH RESEARCH

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

Sr. No.	Name of Convener	Title of the FDP/STTP/WS/Seminar/Symposium	Duration/ Dates	No. of Participants	Funding Agency (If any)
01	Convener- Dr. M. S. Deshmukh and AISSMSCOE, Pune	International Conference on Mechanical Engineering for Sustainable development -2020	17-18 Feb 2020	67	QIP SPPU
02	Co-Convener-Dr. M. S. Deshmukh and AISSMSCOE, Pune	One Week (Online) AICTE-ISTE Induction / Refresher Program on "Advances in Engineering"	08/12/2021 to 14/12/2021	48	AICTE ISTE Sponsored
03	Co-Organizer-Dr. M. S. Deshmukh ISHRAE Pune and Hitachi Ltd.	Hitachi Sponsored aQuest 2019: Student Quiz Competition	5th Jan 2019 (Saturday)	21 National level Teams	Hitachi, Ltd, sponsored + AISSMSCOE and ISHRAE Pune

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
01	Kavikulguru Institute of Technology and Science, Ramtek, Nagpur, Maharashtra.	Energy Conservation	One Week Short Term Training Program on "Conservation of Energy, Water and Environment – Present and Future" (STTP) 7th to 11th March 2022	09 March 2022
02	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	Advances in Renewable Energy Sources	One Week National Level Faculty Development Program in the area "" at, India on Topic- Renewable Energy Sources	08 May 2021
03	Bhilai institute of technology and science, Bhilai (C. G.)	"Research Methodology- Literature Review"	One day	28th Jan 2012 and 29th Jan 2012

Details of Workshop / STTP / FDP / Conferences Attended

Sr. No.	Title of the FDP/STTP/WS/Seminar/Symposium	Organized by	Duration
01	One week on line FDP program on Q Cad	Spoken Tutorial IIT Bombay	24/04/20 to 30/04/20
02	One week on line FDP program on LaTeX programming	Spoken Tutorial IIT Bombay	28/04/20 to 04/05/20
03	One week on line FDP program on R programming	Spoken Tutorial IIT Bombay	28/04/20 to 04/05/20
04	12 Week-NBA Accreditation and Teaching-Learning in Engineering (NATE)	NPTEL Course	27/01/20 to 17/04/20

05	AICTE sponsored a STTP on Advances in Tribology	AISSMSCOE Pune	4/11/20 to 9/11/20
06	Online Faculty Development Program ("Outcome Based Education : A Step Towards Excellence")	Govt. College of Engineering in collaboration with AICTE Margdarshan Mentee Institutes	11/05/20 to 15/05/20
07	AICTE - ISTE sponsored self-financing online short term training programme on " Outcome Based Education & Accreditation "	Department of Mechanical Engineering RGCOE, Amaravati.	26/05/20 to 30/05/20
08	FDP Course-Vision Mission PEO PSO PO CO : Framing, Mapping, Assessment and Attainment (ISTE approved)	AISSMSCOE Pune	10/06/19 to 15/06/19
09	Coursera 7 week- certificate course on Fundamental of Fluid Power.	Coursera	01/06/ 2020
10	Coursera 6 week- certificate course on Chinese for Beginners.	Coursera	29/05/ 2020
11	Coursera 8 week- certificate course on Understanding Research Methods.	Coursera	28/05/ 2020
12	Coursera 8 week- certificate course on Introduction to Thermodynamics	Coursera	18/05/ 2020
13	4-week course of Startup India's on STARTUPINDIA LEARNING PROGRAM	Invest India National Investment Promotion Agency & Upgrad	2020
14	Research Methodology Including Experimental Approach	AISSMS College of Engineering Pune	31/05/2020
15	Attended Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization & History)	MHRD's Innovation Cell	30/05/2020
16	Leadership talk with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design)	MHRD's Innovation Cell	06/06 2020
17	Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd	MHRD's Innovation Cell	23/05/2020
18	"ENERGY AND INNOVATION"	AISSM COE PUNE	27/05/2020
19	"Research Methodology"	AISSMS HMCT, Pune	21/04/20 to 24/04/20
20	webinar series on "Fundamentals of Combustion"	Pimpri Chinchwad College of Engineering (PCCOE, Pune)	15/04/20 to 18/04/20

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Working as Member College Research & Development committee.
02	Worked as HOD, Mechanical Engineering at GNIEM, Nagpur.
03	Worked as a Senior Supervisor SPPU Examination 2015.
04	Worked as a Departmental Academic Coordinator (DAC) at RSCOE, Pune.

05	Worked as a Departmental Coordinator for ARAI ranking.
06	Worked as an ISHRAE Student Chapter Faculty Advisor.
07	Worked as a Convener of International Conference ICMESD-2020.
08	Working as a NBA criteria 03 Coordinator Mechanical Sandwich Course
09	Working as a Research Centre Coordinator for PhD Course (Mechanical Engineering).

Awards Received

S. No.	Awards
	Not yet

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

msdeshmukh

Dr. Manish Sheshrao Deshmukh

(Name with Signature)