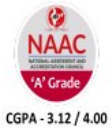




Savitribai Phule Shikshan Prasarak Mandal's
N B NAVALE SINHGAD COLLEGE OF ENGINEERING
 (Approved by AICTE & Affiliated to Solapur University, Solapur)



CGPA - 3.12 / 4.00

CURRICULAM VITAE



Dr. SANGRAM RAJARAM PATIL
 ASSISTANT PROFESSOR, PhD
 ✉ sangramrpatil@gmail.com ☎ **8421673585**

Profile Summary

- Graduate in Mechanical Engineering from Government College of Engineering, Karad, Shivaji University, Kolhapur, 1993
- Post Graduate in Mechanical Engineering (Heat Power Engg.) from Vishwakarma Institute of Technology, Savitribai Puhle Pune University, 2002
- PhD from Mewar University, Chittorgarh, 2019
- Teaching experience of about 30 years.
- More than 25 National and International Journal and Conference Publications and a Book published.
- Permanent P.G. Recognition through letter No. BUTR/Engineering/66/506.
- One Research Projects of grant amount of Rs. 1.70 lakh.
- Best Paper Award for the Paper Presentation at National Conference.
- Best Presentation Award at the Teacher Advancement Program.

Educational Details

Institute / University Name	Passedout Year	Degree	Remark
Mewar University	2019	PhD Mechanical engineering	
SPPU Pune	2002	ME Mechanical Engg.(Heat Power engg.)	
Shivaji University	1993	BE Mechanical	
Pune Board	1989	HSC	
Pune Board	1987	SSC	

Total Experience : 30 Years and 1 Months

Teaching Experience

<p>Institute: Bharati Vidyapeeth's College of Engineering, Navi Mumbai. From: 1993-08-03 Total Experience: 5 years 0 months</p>	<p>Designation: Lecturer To: 1998-07-18 Approved: Yes</p>
<p>Institute: Bharati Vidyapeeth university College of Engineering, Pune. From: 1998-07-20 Total Experience: 5 years 5 months</p>	<p>Designation: Lecturer To: 2003-12-25 Approved: Yes</p>
<p>Institute: Bharati Vidyapeeth university College of Engineering, Pune. From: 2003-12-26 Total Experience: 7 years 6 months</p>	<p>Designation: Assistant Professor To: 2011-07-04 Approved: Yes</p>

	<p>Institute: STES's Sinhgad Academy of Engg, Kondhwa, Pune From: 2011-07-05 Total Experience: 12 years months</p> <p>Designation: Assistant Professor To: 2023-07-20 Approved: Yes</p> <hr/> <p>Roles and responsibilities handled in Teaching:</p> <ul style="list-style-type: none"> • Worked as PG Co-ordinator. • Worked as Head of the Mechanical Engineering Department at SAE, Kondhwa, Pune. • Worked as NBA and NAAC Co-coordinator. • Worked as Senior Supervisor of SPPU, Pune and Bharati Vidyapeeth Deemed University, Pune. • Worked as a member of admission committee. • Worked as member of library committee. • Worked as member of faculty of engineering in Bharati Vidyapeeth Deemed University. • Worked as a member of CET Cell at Vadodara and Mumbai centers of Bharati Vidyapeeth Deemed University.
Area Of Interest	<ul style="list-style-type: none"> • 1. Solar Energy 2. Thermal Engineering 3. I.C.Engines
Subjects Handled	
UG	<ul style="list-style-type: none"> • Fluid Mechanics. • Turbomachines. • Fluid Machinery. • Energy Audit and Management. • I.C.Engines. • Applied Thermodynamics. • Basic Mechanical Engineering • Non Conventional Energy Sources. • Gas turbine and Jet Propulsion. • Power plant Engineering.
PG	<ul style="list-style-type: none"> • Automotive Fuels and Emissions. • Engine Combustion Technology.
Research And Guidance	
Number of PG Students Guiding / Guided	20
Total Journal Paper Publications	14
Total Conference Paper Publications	14
UGC Approved	4
Scopus Indexed	2
Detailed Journal Publication list	<ol style="list-style-type: none"> 1. "Performance Analysis on Concrete Solar Collector", <i>International Journal of Emerging Technologies and Innovative Research</i> (www.jetir.org), ISSN:2349-5162, Vol.5, Issue 12,

Liquid Flat Plate Solar Collector using Concrete as Absorber Plate and its Performance Testing International Journal of Renewable Energy Research, Vol6, No.4, 2016. Scopus Indexed 3. "Concrete Solar Collector- an Experimental Investigation in Solar Passive Energy", Materials Today: Proceedings, Vol.23, Part 2, 2020, Pages 366-372. Reference: MATPR12153. Scopus Indexed 4. "Investigation of Concrete Solar Collector: An Experimental Approach in Solar Passive Energy" IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN(e): 2278-1684, ISSN (p): 2320-334X, PP: 28-32, 2016. UGC approved 5. "Investigation of Concrete Solar Collector: A Review" IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN(e): 2278-1684, ISSN (p): 2320-334X, PP : 26- 29, 2013. UGC approved 6. "Automotive Radiator Sizing and Rating – Simulation Approach" IOSR Journal of Mechanical and Civil Engineering, (IOSR-JMCE) ISSN(e) : 2278-1684, ISSN(p) : 2320-334X, PP : 01-05. UGC approved 7. Role of Fatigue Life in industrial Designs IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN(e) : 2278-1684, ISSN(p) : 2320-334X, PP : 38-44. UGC approved 8. Quality improvement in manufacturing processes using SQC tools International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 3, Issue 3, May-Jun 2013, pp.832-837 UGC approved 9. Strategy to Meet Current Emission Norms for Genset Engines. International Journal of Advances in Engineering and Management (IJAEM) Volume 1, Issue 6, December - 2014. UGC approved 10. Automotive Radiator - Design And Experimental Validation, International Journal of Automobile Engineering Research and Development (IAUERD) ISSN 2277-4785 Vol. 3, Issue 4, Oct 2013, 1-10 UGC approved 11. "Genset Engine Development to Meet Current Emission Norms" (Conversion from CPCB-I to CPCB-II) International Journal of Engineering Science Invention ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org || Volume 3 Issue 11 || November 2014 || PP:63-66 UGC approved 12. Investigation And Damping A Moan Noise In A Passenger Car, International Journal of Engineering Research & Technology (IJERT) ISSN: 2278- 0181, Vol.2, Issue7, July-2013. UGC approved 13. Automotive Radiator Performance - Review International journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249- 8958, Volume-2, Issue-3, February 2013 UGC approved 14. Process Capability Study In Manufacturing Of Mechanical Seal Monthly Multidisciplinary Journal, Golden Research Thoughts, ISSN: 2231- 5063, Volume-2, Issue-8, Feb. 2013 UGC approved

Detailed Conference Publication list

1. 1. MFRC collector – An experimental approach in solar passive energy Publication detail: Proceedings of the National Conference on Recent Trends in Energy Engg. at National Engg. College kovilpatti – Tamilnadu (11- 12 October, 2003).
2. "Experimental Experimental Study of Effect of Surface Defect on Vibration Response of Ball Bearing MECHPGCON 2015.
3. "Comparative Evaluation of Impact Test and its Analysis of Impact Barrier of Vehicle" MECHPGCON 2015.
4. "Investigation of Performance and Emission of C.I. Engine using Palm Oil Methyl Ester as a fuel and NOX Reduction using EGR." MECHPGCON 2015.
5. "Improving Engine Performance through Better Distribution of EGR Gases." MECHPGCON 2015.
6. "Using Explicit Solver while Designing the Experiment to Realize Optimized Processing Parameter for Short Peening." MECHPGCON 2016.
7. "Ride and Handling Improvement of Passenger Bus." MECHPGCON 2016.
8. "Experimental and FEA Failure of Sheet Molding Compound and Steel Insert Joint." MECHPGCON 2016.
9. "Energy Harvesting from Tyre by using Piezoelectric Material" MECHPGCON 2016.
10. "Design and Analysis of Hydraulically Operated Dumper placer arm for Garbage Compactor" MECHPGCON 2017.
11. "Emission Development on Six Cylinder Diesel Engine to Achieve CPCB-II Emission Norms with Mechanical FIE System." MECHPGCON 2017.
12. "Design of Radiator for Passenger Car Application" MECHPGCON 2017.
13. "Performance Evaluation of Diesel Ethanol Blends on HCV

Engine." MECHPGCON 2018. 14. "Analyzing the convective heat transfer and pressure loss in a round tube fitted with circular-ring turbulators" MECHPGCON 2018.

FDP/STTP/Workshop Attended: 25

Sr.No	Title	Organized by	Dates from to	Duration in Weeks/ Days
1	Training on Vehicle Familiarization	Tata Motors Ltd.,Pune	2005-03-08 to 2005-03-09	1 day
2	Short term course on " Pro - active Approach Towards Quality in Engg. Education"	Smt,Kashibai Navale College of Engg, Pune	2006-11-21 to 2006-11-25	4 days
3	Workshop on Research Methodology	Sinhgad Institute of Technology & Science, Narhe, Pune-411041	2011-02-11 to 2011-02-12	1 day
4	Workshop on review and define teaching methodology for the Elective- I subject of Energy Audit And Management	Sinhgad College of Engg. Pune	2011-08-18 to 2011-08-18	
5	Workshop on review syllabus and structure of ME (Mechanical)- Heat Power / Automotive Engg. /Energy engg	MIT,Pune	2012-12-04 to 2012-12-04	
6	Faculty Development Program, Train The Trainer	Sinhgad College of Engg. Pune	2013-12-09 to 2013-12-14	5 days
7	Faculty Development Program on Research Methodology for Innovative Research in Mechanical Engineering	Sinhgad Academy of Engg.Kondhwa Pune	2012-04-16 to 2012-04-21	5 days
8	Staff Development Seminar on Advances in Heat Transfer Augmentation Techniques	Sinhgad Academy of Engg.Kondhwa Pune	2013-10-18 to 2013-10-19	1 day
9	Teacher Advancement Program- Level 1&2	Sinhgad technical Education Society	2013-11-14 to 2013-11-16	2 days
10	National Conference RDME-2013	M.E.S. College of Engg. Pune.	2013-04-26 to 2013-04-27	1 day
11	Workshop on review syllabus and structure of TE (Mechanical) 2012 course	BVCOE for Woman,Pune	2014-01-27 to 2014-01-27	
12	National Conference ATIME-01-2015	Sinhgad Academy of Engg.Kondhwa Pune	2015-01-22 to 2015-01-24	2 days
13	Regional Research Conference INNOVATION-2014	A.V. college of engg., Sangamner	2014-05-02 to 2014-05-02	
14	Regional Research Conference INNOVATION-2015	M.E.S. College of Engg. Pune.	2015-07-01 to 2015-07-01	
15	Faculty Orientation Program, Train The Trainer	Sinhgad Academy of Engg.Kondhwa Pune	2017-06-05 to 2017-06-10	5 days
16	Workshop on syllabus implementation of Turbomachines	Vishwakarma Institute of Information Technology,Pune	2017-06-07 to 2017-06-07	

17	National seminar on Research in Renewable Energy	Bharati Vidyapeeth Deemed University College of Engineering, Pune	2017-02-24 to 2017-02-25	1 day
18	International Conference on Materials and Environmental Science ICMES-2018	Shri Yashwantrao Patil Science College, Solankur	2018-12-07 to 2018-12-08	1 day
19	Faculty Development Program, Train The Trainer	Smt,Kashibai Navale College of Engg, Pune	2019-12-16 to 2019-12-18	2 days
20	Faculty Development Program, Train The Trainer	Sinhgad Academy of Engg.Kondhwa Pune	2020-01-02 to 2020-01-03	1 day
21	FDP on Experiences in Solar Energy : Challenges and Opportunities	School of Energy Studies, SPPU, Pune	2020-06-08 to 2020-06-13	5 days
22	FDP on Solar Energy and its Applications, Economical Implications in Indian Scenario	Prof. Ram Meghe Institute of Technology and Research, Amravati	2020-06-15 to 2020-06-19	4 days
23	FDP on Research Opportunities in Advanced Manufacturing Processes.	Bharati Vidyapeeth Deemed University College of Engineering, Pune	2020-06-25 to 2020-06-28	3 days
24	FDP on Research in Energy Technologies	Bharati Vidyapeeth Deemed University College of Engineering, Pune	2020-07-06 to 2020-07-11	5 days
25	National FDP on Research and Teaching Techniques	Govt. P.G. College Damoh (M.P.)	2021-01-18 to 2021-01-22	4 days

FDP/STTP/Workshop Conducted: 2

Sr.No	Title	Organized by	Worked As	Dates from to	Duration in Weeks/ Days
1	Webinar on Fracture Mechanics Approach in Design Engineering and Research Opportunities in Gear Mechanics	Sinhgad Academy of Engg.Kondhwa Pune	Coordinator	2020-05-31 to 2020-05-31	
2	NEP 2020	Sinhgad Academy of Engg.Kondhwa Pune	Coordinator	2023-02-09 to 2023-02-10	1 day

Other Activities

Achievements & Awards	1. • Life Member of Indian Society for Technical Education, New Delhi.(LM- 41277)
Professional Memberships	1. • Best Paper Award for the Paper Presentation at National Conference. • Best Presentation Award at the Teacher Advancement Program.
Major Projects Handled	1. "Investigation and Development of Solar Flat Plate Collector by using Reinforced Concrete Panel as Absorber Plate and its Performance Testing."BCUD SPPU, PUNE. Rs. 1.7 Lakhs.

Personal Details	
Employee Code	348
Adhar Card Number	845555616812
Pan Card Number	AGQPP5922Q