

Name:

Prof. Sanket S. Chikshe

Designation:

Assistant Professor, Mechanical Engineering Department

**Contact Details:**

ssc_mech@pvgcoet.ac.in

Educational Qualifications:

Year of Passing	Qualification (Specialization),	From Board/University	Percentage / CGPA
Pursuing	Ph. D. (Mechanical Engineering)	SPPU	Pursuing
2015	M.E (Manufacturing Engineering)	Dr. BAMU Aurangabad	CGPA - 8.10
2013	B.E. (Mechanical Engineering)	RTMNU Nagpur	68.56 %
2010	Diploma (Mechanical Engineering)	Autonomous (GP A'bad)	76.70 %

Experience:

- Teaching: 8 Years
- Research: 2 Years

Research Interests:

- 3D Printing, Additive Manufacturing, Advance Manufacturing Processes, Composite Materials Welding

Research Projects:

1. "Optimization of process parameters of injection moulding of PP (Polypropylene) & HDPE (High density poly-ethylene)."
Details: In this project analyzed and optimized the injection molding process parameters by using design of Experiment method using Taguchi Method and ANOVA analysis on injection molding machine in CIPET, Aurangabad.
2. "Analysis of Exhaust Emission on S.I.Engine by Using Alternative Fuel"

Details: In this project we will analyze emission of conventional VCR engine using various blends of alternative fuels with conventional fuel running under different compression ratio using emission gas analyzer which analyzes the percentage of pollutants in emission of engine.

Patents: (Details)

Sr. No	Application No & Patent Title Details	National / International
1.	App No: 201821025141 :- I-TALA (Intelligent Tala) (Status - Published)	National

Number of Publications:

International Journal: 05

International Conference: 02

Details of Publications:

1. Sanket S. Chikshe, Ranjeet D. Ghavate, Yashwant G. Mokhede, "Comparative Analysis of Exhaust Emission Using Conventional and Blended Fuels" IJRISE Volume: 2 Issue: 3 e-ISSN: 2394-8299 p-ISSN: 2394-8280.
2. Yashwant Mokhede, Sanket Chikshe, Ranjeet Ghavate, "Automation of Bearing Modelling and Drafting using CATIA – VBA Approach" IJRISE Volume: 2 Issue: 3 e-ISSN: 2394-8299 p-ISSN: 2394-8280.
3. Ranjeet Ghavate, Yashwant Mokhede, Sanket Chikshe "Development in Thermal Design and Analysis for Engine Control Unit" IJRISE Volume: 2 Issue: 3 e-ISSN: 2394-8299 p-ISSN: 2394-8280.
4. Vaibhav V. Tare, Akash M. Gavhane, Kiran S. Aher, Ajay S. Jadhav, Sanket S. Chikshe, "Design and Development of Filament Making Device for 3D Printing Machine" International Journal of Innovations in Engineering Research and Technology, Volume: 7, Issue: 5, ISSN: 2394-3696, pp: 150-154.
5. Vaibhav V. Bhosale, Abhijeet R. Mekha, Vaibhav V. Matole, Anil A. Kale, Sanket S. Chikshe, "Overview of Fixture Design For Industry" International Journal of Innovations in Engineering Research and Technology, ISBN. No. 978-93-87901-03-2, ISSN: 2394-3696, pp: 95-98.
6. Sanket S. Chikshe, Shubham U. Joshi, Ajit P. Gorte, Nitesh S. Tambore, Vaibhav G. Narkhede, "Comparative Analysis on Compressive Strength of PVC Coupling

with 3D Printed PLA Coupling” Proceedings of Conference on Advances on Trends in Engineering Projects (NCTEP-2019), Volume: 7, Issue: 4, ISSN: 2394-3696, pp: 172-174.

7. S. S. Chikshe, Bodhale Akash, Patil Vishal, Chaudhari Pavan, Biswapati Mahato, “Design & Fabrication of Progressive Die for Making Washer” Proceedings of Conference on Advances on Trends in Engineering Projects (NCTEP-2019), ISBN. No. 978-93-87901-03-2, ISSN: 2394-3696, pp: 122-124.

Professional Society Memberships: 01

Sr. No.	Society / Forum Name
1	Lifetime Member of ISTE (The Indian Society For Technical Education) from 2018, Membership No – LM 122588.

Number of FDPs / STTPs organized: 01

Number of FDPs / STTPs attended: 06

1. One week online FDP on “Innovations in Additive Manufacturing” at Bharti Vidyapeeth’s College of Engineering, Pune from 13th to 19th September 2021.
2. Two Week FDP on “Manufacturing Competitiveness” at Amrutvahini College of Engineering, Sangamner from 11th Dec 2017 to 22th Dec 2017.
3. Two Week Faculty training program on “Capacity Building Program” Designed & Developed by G. H. Rasoni Academy for Human Excellence, Nagpur from 24th October to 10th November 2015..
4. Training on “Total Productive Maintenance” at JNEC, Aurangabad.
5. Training on “Fundamentals of Steam Engineering “at Forbs-marshall Steam Engineering Center, Pune.
6. Training on “English language Enrichment” Designed & Developed by Institute of Indian and Foreign Languages Communication Aurangabad.

Number of Workshops attended: 03

1. Two Days international Workshop on “Advances in Mechanical Engineering” at PVG college of Engineering & Technology, Pune from 1st & 2nd March 2019.
2. Two days’ workshop on “Autodesk Inventor” at Astral Informatics Pvt. Ltd, Nagpur from 20th & 21st November 2015.
3. Two days national level workshop on “Research Methodology” at MIT, Aurangabad from 13th & 14th March 2015.

Number of Conferences / Seminars attended: 02

1. Attended 2nd annual international conference “Teched 2016” at Tulsiramji Gaikwad Patil college of Engineering & Technology, Nagpur on 22nd & 23rd January 2016.
2. Attended international conference on “Ideas, Impact & Innovation in Mechanical Engineering” at Smt. Kashibai Navale College of Engineering, Pune on 1st & 2nd June 2017.

Number of Online Certification Courses done: 07**Details of Online Certification Courses done:**

Sr. No	Course Title	Duration	Type of Certificate
1.	Operation Management	12 Weeks	Gold + Elite
2.	Work System Design	12 Weeks	Gold + Elite
3.	Product Design & Development	4 Weeks	Silver + Elite
4.	Fundamental of Manufacturing Processes	12 Weeks	Silver + Elite
5.	Inspection & Quality control in Manufacturing	4 Weeks	Elite
6.	Fundamental of Welding Science & Technology	8 Weeks	Elite
7.	Design for Quality, Manufacturing & Assembly	8 Weeks	Elite

Number of times served as a Resource Person: 01

1. Delivered Guest lecture on “Additive manufacturing Overview & Processes” at Zeal Education Society’s, Zeal College of Engineering and Research, Narhe, Pune on 29th & 30th October 2021.

Number of times served as a Reviewer / Judge: 01**Number of Books / Book chapters Published: 04****Details of books / book chapters published:**

Sr. No	Book Title	Publication	University /Board	ISBN No.
1	Mechatronics	Nirali Prakashan, Pune	SPPU, Pune	935451313-1

2	Metrology and Quality Control	Nirali Prakashan, Pune	BATU, Lonere	938910875-6
3	Industrial Engineering	Nirali Prakashan, Pune	BATU, Lonere	939050653-0
4	Mechatronics	Nirali Prakashan, Pune	BATU, Lonere	939050601-8