

Name:

Prof Sanket Sadanand Chikshe

**Designation:**

Assistant Professor

Contact Details:

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Educational Qualifications:

- Pursuing PhD (Mechanical), Savitribai Phule Pune University, Pune,
- M.E. (Mechanical-Manufacturing), Dr.BAMU, Auranagabad, 2016.
- B.E. (Mechanical), RTMNU, Nagpur, 2013.
- Diploma (Mechanical), Govt. Polytechnic, Auranagabad, 2010.

Experience:

- Teaching: -13 Years
- Research– 01 Year

Patents:

App No: 201821025141 :- I-TALA (Intelligent Tala) (Status - Published)

Professional Society Memberships:

- American Society for Metals (ASM) International-. C-06226006.
- The Indian Society For Technical Education ISTE- LM 122588

Number of times served as a Resource Person: 05

- Resource Person for NEP 2020 based syllabus implementation workshop on **“Manufacturing Process Workshop”** at PVG’s COET & GKPIOM, Pune on 20th August 2024.
- Delivered Guest lecture on **“New Trends in 3D Printing”** at PVG’s Maharashtra Institute of Printing Technology, Pune on 24th November 2022.
- Resource person for SPPU 2019 Pattern Syllabus drafting & Implementation of **“Additive Manufacturing”** & **“3D Printing Honors Course”** by online mode on 3rd to 5th August 2022.
- Delivered Guest lecture on **“Product Life Cycle Management strategies for Engineering Applications”** at Zeal Education Society’s, Zeal College of Engineering and Research, Narhe, Pune on 28th March 2021.
- 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.

National Level Recognition NPTEL Certification Courses done: 05

NPTEL Certification Courses done: 20

- **Gold Medalist** – 04 Courses
- **Silver Medalist** – 07 Courses
- **Top Performing Mentor** – 5 Courses in 2.5 Year

Details of books / book chapters published: 06

- **Computer Integrated Manufacturing**, Technical Publication, Pune...SPPU, Pune.978-93-5585-287-8
- **Metal Forming Technology**, Techknowledge Publications, Pune....Mumbai University.978-93-5563-208-7
- **Mechatronics**, Nirali Prakashan, Pune, SPPU, Pune,935-45-1313-1
- **Metrology and Quality Control**, Nirali Prakashan, Pune,BATU, Lonere938-91-0875-6
- **Industrial Engineering**, Nirali Prakashan, Pune,BATU, Lonere, 939-05-0653-0
- **Mechatronics**, Nirali Prakashan, Pune, BATU, Lonere....939-05-0601-8

Number of Publications: 10

- **International Journal: 08**
- **International Conference: 02**

Details of Publications:

- **Sanket S. Chikshe**, Aadesh R. Chaudhari, Om A. Sonawane & Mitali V. Dhivare, “**A review on different process parameters in FDM and their effects on various required outputs**” IRJET, e-ISSN: 2395-0056 p-ISSN: 2395-0072, Page No.1511-1519.
- Dipak S Patil, Manmohan M Bhoomkar, **Sanket S Chikshe**, Ganesh Vijay More, “**Effect of Process Parameters on Material Removal Rate, Kerf Angle and Kerf Ratio of Abrasive Water Jet Machined GFRC Laminate**” Journal of Optoelectronics Laser, Vol. 41 No. 8 (2022).
- **Sanket S. Chikshe**, Ranjeet D. Ghavate, Yashwant G. Mokhede, “**Comparative Analysis of Exhaust Emission Using Conventional and Blended Fuels**” IJRISVolume: 2 Issue: 3 e-ISSN: 2394-8299 p-ISSN: 2394-8280.
- **Sanket S. Chikshe**, Akash M. Gavhane, Kiran S. Aher & Ajay S. Jadhav “**Design And Development of Filament Making Device for 3D Printing Machine**” IJRISVolume: 7 Issue: 5 ISSN: 2394-3696, may 2020, Page no. 150-154.
- Yashwant Mokhede,**Sanket Chikshe**, Ranjeet Ghavate, “**Automation of Bearing Modelling and Drafting using CATIA – VBA Approach**” IJRISVolume: 2 Issue: 3 e-ISSN: 2394-8299 p-ISSN: 2394-8280.
- Ranjeet Ghavate, Yashwant Mokhede, **Sanket Chikshe** “**Development in Thermal Design and Analysis for Engine Control Unit**”IJRISVolume: 2 Issue: 3 e-ISSN: 2394-8299 p-ISSN: 2394-8280.

- 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.
- 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.
- **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.
- **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.

Major Portfolios Handled: (college level and department level)

- HOD First Year Engg. Dept. at Dr. D. Y. Patil College of Engineering & Innovation from Oct 2016 to Oct 2021.
- Workshop Superintendent at Dr. D. Y. Patil College of Engineering & Innovation from Oct 2016 to Oct 2021.
- Facilitation Centre (FC) Incharge & SETU Incharge at Dr. D. Y. Patil College of Engineering & Innovation, Varale, Pune.
- NBA Departmental Coordinator in G. H. Raisoni Academy of Engineering, Nagpur.
- NIRF departmental coordinator in G. H. Raisoni Academy of Engineering, Nagpur
- Workshop Superintendent at GHRAET from June 2015 to December 2016.