

Faculty Name: Dr.Sachin Ganpatrao Ghalme

Designation: Associate Professor

Mail ID: sachin.ghalme@sitrc.org



BIO

Dr. Sachin Ghalme is currently working as an Associate Professor in the Department of Mechanical Engineering at Sandip Institute of Technology & Research Centre (SITRC), Nashik (MS), India. He is awarded with the Doctor of Philosophy in the area of Mechanical Engineering from the Department of Science and Technology, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur (MS), India. He is having a total of 21 years of experience in the field of technical education. He has authored several scientific articles in peer-reviewed SCI/Scopus indexed journals, including international/national conferences. Dr. Sachin Ghalme is associated with many scientific associations and along with this he is also working as a reviewer and member of the editorial board for international journals. He is also Guest Editor for various international journals. He has also been nominated as Member of Technical Program Committee, Member Scientific Committee, and Member of Advisory Committee etc. during various international/national conferences. He has been awarded with 'IARDO Distinguished Educator-2018' by International Association of Research and Development Organization, New Delhi. He is a Life Member of Indian Society for Technical Education (ISTE) and Member of The Institution of Engineers (MIE), International Association of Computer Science and Information Technology (MIACSIT), International Association of Engineers (MIAENG), International Association of Advanced Materials (IAAM) and Society of Automotive Engineers (SAE).

He has completed two minor research projects sponsored by Savitribai Phule Pune University, Pune. His basic research interest includes the tribological performance of industrial lubricants, biomaterials and applications of nanomaterials. Presently he is guiding 3 PhD scholars.

Qualification:

1. BE (Mechanical Engineering)
2. M.E(Mechanical-Design Engineering)
3. PhD (Mechanical Engineering)

Paper Publications details:

- International Journal: 20
- International Conference: 13

Research Work:

1. **Ph.D.:** Role of Hexagonal Boron (hBN) Addition on Tribological Behavior of Silicon Nitride (Si₃N₄)
2. **Minor Research Project Grant:** Rs.200000/- sponsored by BCUD, University of Pune, Pune (2010-12).
3. **Minor Research Project Grant:** Rs.110000/- sponsored by BCUD, SPPU, Pune (2014-16).
4. **IEI Project Grant:** Rs. 12000/- for a project of final year students by The Institution of Engineers (India), Kolkata (2016-17).
5. **IEDC Project Grant:** Rs.100000/- for a project of final year students by Innovation and Entrepreneurship Development Centre, Ministry of Science and Technology, New Delhi (2019-20).

Experience:

1. Teaching experience: 20 Yrs.
2. Research experience: 03 Yrs.

Subjects:

1. Engineering Graphics
2. Solid Mechanics
3. Numerical and Statistical Methods
4. Design of Machine Elements
5. Design of Transmission Systems.