

Anand Chapekar

Mobile +91-99701 85520

E-mail ajchapekar@gmail.com



- Extensive experience in fields of Process Equipment Design, CAD/CAE and Information Technology
- Responsible for turnkey project engineering and product designs for Automotive, Aerospace, Manufacturing, Energy, Steel, Cement, Food & Beverage Industries, Distilleries and Refineries
- Managed Products and Project deliverables for clients based in **USA, UK, Italy, Philippines and Qatar**
- Practiced, attained and maintained **CMMi Level 5** quality processes for I.T. programs and projects
- Actively promoting collaborative initiatives between Industry and Academia
- ICT skills include Java/J2EE, Android Applications, C/C++, FORTRAN, ANSYS, CATIA, Unix, Shell Scripting, OpenGL, Structured & Object-Oriented Application Design, Development and Testing

Education

M.Tech. (Thermal and Fluids Engineering), I.I.T. Bombay

B.E. (Mechanical Engineering), College of Engineering, Pune

M.B.A. (Marketing), Institute of Management Education, Pune

Professional Memberships

Associate Member of Institute of Engineers, India

Seminars

- Presentations on Android Application Development at National Seminars held at [ASM's Institute of Computer Studies](#), Pune, in Jan 2015 and Oct 2013

Association with Academic Institutions

[Dr. Babasaheb Ambedkar Technological University, Lonere](#)

- Member, Board of Studies, 2011 and 2016
- Adjunct Faculty, Mechanical Engineering for M. Tech. Thermal & Fluid Engineering from Sep 2017
- **Core courses:** Numerical Methods and Computational Techniques, Advanced Heat Transfer, Modeling and Analysis in Thermal Engineering
- **Elective courses:** Computational Fluid Dynamics
- Project guide for M.Tech. Thermal and Fluid Engineering from June 2017
- Facilitation of consulting project for Mechanical Engineering Department with a Multi-National Pollution Control Equipment Manufacturer
- Conducted core course on Numerical Methods and Computational Techniques and covered Radiation topics from Advanced Heat Transfer for M.Tech. Thermal & Fluid Engineering in 2016-17 as visiting faculty
- Guest lecture on Industry Opportunities for Masters in Mechanical Engineering, Apr 2016

[College of Engineering, Pune](#)

- Adjunct faculty, Mechanical and Production Engineering from Jul 2017. Conducted courses for **Computer Aided Design** for Post-Graduate Diploma in Additive Manufacturing for Production Engineering Department and **C programming** sessions for Numerical Methods for Third Year Mechanical Engineering.
- Expert lecture on Industrial Practices for Refrigeration and Air Conditioning for M.Tech. Heat and Power, Apr 2017

Current Research

- Two industry sponsored projects are in progress for Heat Recovery & Dust Collection Equipment Design and CFD analysis of large axial fans.
- Other research work in progress for Application of Thermoelectric Effect for Gas Cooling, Steam Jet Ejectors, Test Rig Design for Air Filters, CFD analysis clean air filter housings, Solution to ODE equations for permeable membrane separation for binary gas mixtures