

STAFF PROFILE



Dr. Sanjiv Manohar Sansgiri

Professor

Mechanical Engineering

hodmech@aitpune.edu.in

Date of Joining
03/07/2017

Nature of Appointment
Contractual

Educational Details

| Qualification | Degree | University | Grade | Year |
|---------------|--------|------------------------------|-------|------|
| Doctoral | PhD | The University of Akron, USA | 91 | 2001 |
| PG | MS | The University of Akron, USA | 90 | 1991 |
| Graduation | BE | Mangalore | First | 1984 |

Areas of Interest

Computational Mechanics, Design, Product and Methods Development, CAE, CAD/CAM, Simulation and Synthesis, Stress Analysis, Finite Element Analysis, Optimization, Automotive and Tire Technologies, Noise, Vibrations, Harshness, Biomechanics, Durability, Safety and Crash Worthiness, Testing, Validation, Experimentation, Sheet Metal and Structures, Mechanisms, Robotics, Artificial Intelligence, Data Analytics, Machine Learning, Composites and Alternate Materials, Applied Mathematics, Numerical Methods, Manufacturing Processes and Tools

Experience Details

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|---------------------|------------------------|-----------------------|------------------------|
| Total : 30.00 years | Teaching : 11.50 years | Research : 0.00 years | Industry : 18.50 years |
|---------------------|------------------------|-----------------------|------------------------|

| Type | Duration/ Period | Designation/ Organisation Name | Brief Job Profile |
|-------------|------------------|---|--|
| Educational | 7.50 Years | Professor, HOD AIT, SCOE, AISSMS COE, VIIT | Promoted development of educational system responsive to challenges of modern day society and life-long learning |
| Industrial | 2.00 Years | Executive Director PROCYON Engineering, INDIA | Business head driving turnaround and growth offering engineering and sourcing strategies, solutions and services |
| Industrial | 2.00 Years | Sr Vice President ONWARD Technologies, INDIA | Customers gained competitive advantage in the global market place by ascending to be a must have partner |
| Industrial | 1.00 Years | Chief Executive Officer TATA AutoComp (TACO) Engineering, INDIA | Overall P and L responsibility where customers ideally evolved from a pilot to joint venture on to Offshore Design Centers |
| Industrial | 6.00 Years | Lead Engineer GENERAL MOTORS Technical Center, USA | Provided Vehicle Synthesis Analysis and Simulation (VSAS) leadership, engineered products and featured on various cross-functional vehicle development teams |
| Industrial | 4.00 Years | Lead Engineer/Technical Specialist HOFF and Associates, USA | Engineered diverse products by implementing cutting edge technologies to drive designs and solve problems |

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|-------------|------------|---|--|
| Industrial | 1.00 Years | Technical Project Lead EASI Engineering, USA | Headed IT business startup and earlier, addressed structural design needs |
| Educational | 4.00 Years | Teaching Faculty University of AKRON, USA | Developed and taught engineering, manufacturing, mathematics and programming courses |
| Industrial | 2.50 Years | Shop Floor Manager GODREJ and BOYCE, INDIA | Press Shop Manager in the refrigerators plant at consumer goods giant |

Journal Publications

1. Joe Padovan , Sanjiv M. Sansgiri & Lala Krishna, (1994). [Multiply Gauged Solution Initialization with Steepest Descent Smoothing](https://www.tandfonline.com/doi/abs/10.1080/00207169408804253?needAccess=true&journalCode=gcom20). *International Journal of Computer Mathematics*. Vol 50(Issue 3/4), pp 165-182. ISBN/ ISSN No : Print ISSN: 0020-7160 Online ISSN: 1029-0265. URL : <https://www.tandfonline.com/doi/abs/10.1080/00207169408804253?needAccess=true&journalCode=gcom20>.
2. Joe Padovan, Sanjiv M. Sansgiri, Lala Krishna, (1993). [Multiply Gauged, Mixed Progressively Direct Gradient Based Iterative Solvers](https://link.springer.com/article/10.1007/BF00350049). *Computational Mechanics*. Vol 11(Issue 2-3), pp 75-85. ISBN/ ISSN No : e-ISSN: 2231-5152, p-ISSN: 2454-1796. URL : <https://link.springer.com/article/10.1007/BF00350049>.
3. Joe Padovan , Lala Krishna & Sanjiv M. Sansgiri, (1992). [Partitioned Iterative Solver for Very Large Thermal Simulations](https://www.tandfonline.com/doi/abs/10.1080/10407799208944985). *Numerical Heat Transfer*. Vol 22(Issue 3), pp 285-304. ISBN/ ISSN No : Print ISSN: 1040-7790 Online ISSN: 1521-0626. URL : <https://www.tandfonline.com/doi/abs/10.1080/10407799208944985>.

Patent

1. 1 . SANJIV M SANS GIRI 2 . MONIL YADAV 3 . APPASO M GADADE, (2019). 201921031357. [Vertical Exhaust System for Autorickshaw](#). 02/08/2019, India.

Research Grants

| Title Of Project | Funding Agency | Duration | Sanctioned Amount | Role of Investigator |
|------------------|----------------|----------|-------------------|----------------------|
|------------------|----------------|----------|-------------------|----------------------|

Consultancy

| Title Of Project | Funding Agency | Duration | Sanctioned Amount | Investigator Role |
|------------------|----------------|----------|-------------------|-------------------|
|------------------|----------------|----------|-------------------|-------------------|

Professional Memberships

| Society | Membership No | Duration | |
|---|---------------|------------|------------|
| Fellow, Institution of Engineers (FIE) | F-118741-0 | 07/05/2014 | 07/07/2027 |
| Life Member, The International Association of Engineers | LM 143270 | 07/05/2014 | 07/07/2027 |
| Life Member, The Indian Society for Technical Education | LM 91081 | 07/05/2013 | 07/07/2027 |
| International Association of Advanced Materials | 62571913815 | 15/09/2017 | 07/07/2027 |

Achievements/ Contribution

| Year | Details |
|------|---|
| 2017 | DEWANG MEHTA National Educational Award, "Best Professor in Mechanical Engineering" |
| 2014 | Chartered Engineer (CEng) |
| 2014 | Fellow of INSTITUTION OF ENGINEERS (FIE) |
| 2010 | Selected to "Who is Who in the World" |
| 2008 | On the Board of Trustees of NGO working for HIV positive children and women |
| 2008 | On the Advisory Board of solutions and services providing IT company |

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| 2006 | Distinguished Alumnus, MANIPAL INSTITUTE OF TECHNOLOGY |
| 2004 | Chairman, Board of Trustees of USA based organization for people of Indian origin |
| 1991 | FORD MOTORS Fellowship |
| 1988 | MCDONALD'S CORPORATION Scholarships |

No of PhD Students Guided : 0 No of PG Students Guided : 7
No of PhD Awarded Students : 0