

Dr. Pravin T. Nitnaware
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- **Educational Qualification:** B.E Mechanical, M.E (Heat Power), Ph.D (Mechanical)
- **Experience** : 20 years
- **Contact No. (optional)** : 9822870841
- **Areas of Interest** : Alternative Fuels for Internal Combustion Engines
- **Memberships** : Life Member of Indian Society of Technical Education (ISTE) (LM 41875), International Welding society (IWS), Membership of Society of Automotive Research. (SAE).
- **Courses Handled** : U.G (Mechanical) and P.G (Heat Power)
- **Administrative responsibilities:**
 - ✓ Departmental Academic Coordinator
 - ✓ Departmental NBA coordinator
 - ✓ Industry Institute Interaction college coordinator
 - ✓ Departmental Research coordinators
 - ✓ Departmental Research Proposal Coordinator
- **Publications:**

Publications in SCI (Science Citation Index) Journals: [04]

1. Nitnaware P. T., Suryawanshi J. G. (2015) Effects of MBT spark timing on performance, emission and combustion characteristics of S.I using hydrogen-CNG blends. *International Journal of Hydrogen Energy*. Elsevier Publication Ltd. doi.org/10.1016/j.ijhydene.2015.11.074.
2. Nitnaware P. T., Suryawanshi J.G. (2015) Effect of equal spark timing on performance emission and combustion characteristics of S.I engine using hydrogen and CNG blends. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*. Springer Publication BMSE-D-15-00756.
3. Nitnaware P. T., Suryawanshi J.G. (2015) Effects of Lean Burn and Stoichio. Burn combustion in S.I engine using hydrogen CNG blends. *Iranian Journal of Science and Technology. Part C: Transaction of Mechanical Engineering*. Springer Publication DOI: 10.1007/s40997-016-0038-0.
4. Nitnaware P. T., Suryawanshi J.G. (2015) Effect of exhaust gas recirculation on performance and emission characteristics of spark ignition engine using hydrogen and CNG blends. *Journal of The Institution of Engineers (India): Series C*. Springer Publication. IEIC-D-15-00012.

Publications in Non-SCI journals: [18]

1. Avinash Gangadhar Virale, Pravin T. Nitnaware “Experimental Analysis Of Jacket Cooling Of S I Engine And Study Of Operating Parameters And Emissions” *International Journal of Advances in Engineering & Technology*, Feb., 2017 Vol. 10, Issue 1, pp. 113-121.
2. Nitnaware P. T. “Biodiesel-An alternative fuels in Internal combustion engine” *International Journal for Scientific Research & Development*. Volune 04, Issue 10, ISSN-23210613.
3. Nitnaware P T, Gupreet singh Riat. (2016) An intelligent system for automobile accident prevention. *Journal of Mechanical and Civil Engineering*. Vol. 2, Issue 08. ISSN: 2456-1479.
4. Harshad Kopurwar, Nitnaware P T (2016). An experimental study of a simple vapour compression refrigeration system with varying parameters. *International journal of current engineering and technology* 2016.
5. Nitnaware P T, Vaibhav Ganvir (2015). Design development and analysis of exhaust gas recirculation system for CNG fuelled SI engine. *Journal of Mechanical and Civil Engineering*, vol. 13, Issue 1 Ver. VI. PP 27-35, ISSN: 2278-1684.
6. Nitnaware P. T. Giri P. (2015) Design optimization of an air cooled internal combustion engine fin using CFD. *Journal of Multidisciplinary Engineering Science and Technology*. JMESTN-42351174
7. Jadhav P. M., Nitnaware P. T. (2015) Vibration reduction of single cylinder diesel engine used for agricultural water pumping SAE Technical paper 2015/6/15 Issue 2015-01-2291.

8. Nitnaware P T. Design and development of torque convertor using two different masses in infinitely variable transmission system. VSRD International Journal of Mechanical, Civil, Automobile & Production Engineering. Volume V Issue II February 2015.
9. Nitnaware P. T., Suryawanshi J.G. (2014) Investigation on multi-cylinder S.I engine using blends of hydrogen and CNG. International Journal of Engineering Research and Technology. IJRET-20140304850.
10. Khetre S. N, Nitnaware P. T. (2014) Design and analysis of composite high pressure vessel with different layers using FEA. International Journal of Engineering Research & Technology (IJERT) vol. 3 Issue 11, Nov 2014. ISSN: 2278-0181.
11. Suhas Nakate, Nitnaware P T. Optimization of an Automotive component die design using metal forming simulation capability of hyperform. International Journal of Advances in Management, Technology & Engineering sciences. Vol 04, Issue 03 (01) December 2014.
12. Chaudhari V. Y., Nitnaware P. T. (2013) Design And Analysis Of Heat Resistant Ferrule Used In Heat Exchanger Tube By Using CFD International Journal of Engineering Research and Technology Vol. 2 Issue 5 pg. 2055-2061.
13. Ahire P, Nitnaware P. T. (2013) Finite Element Analysis Based Optimization of the Journal Bearing Press-Fit Finite Element Analysis Based Optimization of the Journal Bearing Press-Fit. International Journal of Engineering Research and Technology Vol. 3 Issue 1, pg. 1264-1273.
14. Rahul Patole, Nitnaware P. T. (2013) Effect of variation in thickness and conix angle on the buckling load for conical shell. International Journal of Engineering Research and Technology Volume 2 Issue 6. Pg. 623-627.
15. Khatake Pranali, Nitnaware P T. (2013) Vibration mitigation using passive damper in machining. "International Journal of Modern Engineering Research (IJMER) Vol. 3, Issue X, 2013. ISSN: 2249-6645.
16. Nitnaware P. T., Suryawanshi J. G. (2012) Performance effects of increase in Hydrogen percentage by volume on CNG sequential Injection 3 cylinder S.I Engine. International Journal of Mechanical Engineering India ISSN: 2277-7059 Volume 2 Issue 4 (May 2012)
17. Nitnaware P. T., Suryawanshi J. G. (2011) An Investigation on SI Engine using Hydrogen and CNG Blends International Journal of Research and Review of Advance Science Canada Vol 7, [3] June 2011 Page No. 295- 303.
18. Nitnaware P. T., Suryawanshi J. G. (2011) CNG sequential Injection to reduce emission for SI Engine. Global Journal of Pure Applied Science and Technology G. J. P&A Sc and Tech., 2011V01 (36-48)
19. Nitnaware P .T., Suryawanshi J .G. (2011) Performance and Emission Reduction of multi-cylinder Gasoline Engine using CNG Sequential Injection. International Journal of Computer Information Systems and Industrial Management Applications. India Vol 4, Nov 2011 paper 225.

➤ **Patents:** Nil

➤ **Research Projects :**

✓ **Completed:** An Investigation on SI Engine Using Hydrogen and CNG Blends.

✓ **Ongoing** : Nil

➤ **Awards and Accolades:**

✓ Working as reviewer for Elsevier Publication "International Journal of Hydrogen Energy".

✓ Working as reviewer for Springer Publication " Brazilian Society of Mechanical Engineers".