

Prof (Dr) Shreekant Tare

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At a Glance

Name	Shreekant Tare
DOB	30-Sep-1960
Qualification	Ph D, M Tech
Branch	Mechanical Engineering
Total Experience	29 Years
Experience in Teaching + Industry	17Years + 12 Years
Papers Presented Inland	14
Key Positions	As Principal for 4.5 Years in an Engineering College
Papers published International	09
Lectures in Foreign universities	02
Field of Interest	Thermal Engineering
Lectures in various Institution across India	25 +
Other	Experience of Implementation of NBA &NAAC in multiple colleges.

Scholastics:

- 1) **PhD in Mechanical Engineering, awarded in June 2017.**
- 2) **M Tech (Energy Management) in First Division.**
- 3) **B.E. (Mechanical)in First Division**

Carrier Summary:

(A rich experience of more than 28 years, out of which about 16 years as faculty in Mechanical Engineering in various PG level Engineering Colleges in India.

1. From 09.08.2024 onwards

Adjunct faculty in the department of Mechanical Engineering with Govt College of Engineering, Jalgaon.

2. From 01.11.2022 to 08.08.2024(21 months)

Professor and Dean (Administration) with KCES's College of Engineering, Jalgaon, a P G levelled Engineering Institute.

3. From 10.09.2017 to 28.02.2019 (18 months)

Professor and Head in the department of Mechanical Engineering Department with R HSapat College of Engineering Nashik as, a P G levelled Engineering Institute.

4. From June 2013 to Sep 2017 (51 months)

Principal with ShriDadaji Institute of Technology and Science Khandwa (India), a P G levelled Engineering Institute.

5. From July 2012 to May 2013 and Oct 2008 to Sep 2009 (22 months)

Assistant Professor in the Department of Mechanical Engineering with Prestige Institute of Engineering and Science Indore (India), a P G leveledEnggInstt.

6. From May 2010 to June.2012 (25 months)

Reader in the Department of Mechanical Engineering with Indore Institute of Science & Technology Indore (India) a P G levelled Engineering Institute.

7. From Aug 2006 to Sep 2008 (25 months)

Lecturer in the Department of Mechanical Engineering with Sanghvi Institute of Management & Science Indore (India),then U G levelled Engineering Institute.

8. From April 1994 to Jun 2006 (147 months)

Handled own business, having average turnover of about 10 millions PA. It was a woven sack industry, fulfil requirement of packaging of fertilizers and chemicals. (TIN – 23770101489)

9. From Feb 1991 to March 1994 (37 months)

Lecturer in the Department of Mechanical Engineering with SGS Institute of Technology & Science Indore (India) an international reputed institution.

Subjects Taught at UG and PG Level:

Thermodynamics, Heat & Mass Transfer, Renewable Energy Resources, Refrigeration & Air Conditioning, Energy Conversion Systems etc.

Professional Training:

- 1) Training on Maintenance and Servicing of TATA Vs in TELCO, Pune .
- 2) Training on Installation of Heat Transfer Equipments in **IIT Mumbai** India
- 3) Certificate course on Mission 10 X, the Excellence in Teaching by WIPRO ..
- 4) Attended one week workshop in Thermodynamics in **IIT Mumbai**.

Technical Papers in International Journal :

- 1) **‘Opportunity of Energy Conservation–A Case Study in a Mini Steel Plant’** By Shreekant Tare and Dilip Pangavhane in International Journal of Earth Science & Engineering Vol No - 05 Issue-01 Page 230-235) ISSN-0974-5904.
- 2) **‘Design Development and Performance Testing of a Biomass Gasifier System for Wheat Straw.’** By Shreekant Tare and S R Choudhary in International Monthly Journal Vol II Issue II ISSN 2277-8381.
- 3) **‘Grape Stalk Briquettes as an Alternative Feedstock of Biomass Gasifiers’** by Dilip R. Pangavhane and Shrikant Tare in International Energy Journal (13-2012) Ref. No: IEJ 10-12-025
- 4) **‘Exergy Analysis & Irreversibility applied to VCR System: Literature Review’** by Shreekant Tare, Sanjay Purkar in GJRA Volume-5, Issue-1, January -2016 • ISSN No 2277 – 8160
- 5) **‘Analysis of Exergy Change during Compression Process of VCR Cycle using R134 as Refrigerant’** by Shreekant Tare, Nitesh Misra in IJER Vol-5, Issue-4 April 2016, ISSN No 2347-50
- 6) **‘ Comparative study of Exergy Loss of Refrigerants during Condensation Process of VCR Cycle’** Shreekant Tare, R K Shukla in IJESRT Vol-5, Issue-4, April 2016, ISSN No 2277-9655.
- 7) **‘First and Second Law analysis for Alternate Refrigerants used in VCR system: Literature Review’** Shreekant Tare, Sanjay Purkar in IJRAET Volume 2; Issue 4; Aug 2016; ISSN 2455-0876.
- 8) **‘Second Law Analysis of Compression Process of a VCR Cycle for Various Refrigerant’** Shreekant Tare, Sanjay Purkar in IJTRD, Volume 3 Issue 5 (Sep 2016) p-88-90 ISSN 2394-9333.

9) 'Optimization through Mathematical Modeling of Irreversibility and other parameters in Simple VCR Cycle for R-134a' Shreekant Tare, Prathu Nagar in (IRJET Volume: 04 Issue: 08 | Aug -2017 P - 663-668, ISSN 2395-0072.

And Many more.....

Summary of Technical Papers Presented :

Presentations at National level : 08

Presentations at International level : 06

Details of Technical Papers Presented in India and Abroad:

1) 'A Model of Technical Teaching, With Respect to the Beginners'. presented in MACT Bhopal in Dec 1991. (Presented by Co Author)

2) 'Industry Institute Interaction : A Perspective of an Engineering Student' presented in S G M Engineering College ,Shegaon (Maharashtra).in Dec 1992

3) 'Use of Unconventional Solid Fuels in Boilers' presented in S G S Instt of Tech &Sc Indore in Dec 1992.

4) 'A Creative Approach for Meeting Enterprise Objectives' presented in International Conference in Pioneer Instt of Professional Studies, Indore India in Oct 2006.

5) ' Technology Innovative Products' presented in Mahakal Institute of Tech Ujjain in Dec 2006. (Presented by Co Author)

6) 'Replacement of Traditional Liquid Fuels by Nontraditional Gaseous Fuels in an I C Engine' presented in International Conference in L N C T Bhopal India in Apr 2007.

7) ' An attempt to blending of LPG with HSD in a C I Engine ' presented in Oriental Institute of Tech Bhopal in March 2008.

8) ' Effect of Global Warming in Technological Adoption' Presented in Government P G College Khandwa in March 2009

9) 'Energy Consumption and Energy Conservation in Cement Industry, An Overview ' Presented in Government P G College Khandwa in March 2009.

10) 'Opportunities of Energy Conservation in Steel Rolling Mill 'Presented in International Conference in KhonKaen University Thailand on 4th March 2010.

11) 'Role of Environmental Ethics in the Overall Global Development of Technological and Industrial Scenario' in International Congress of Environmental Research in University of Mauritius on 16th to 18th Sep 2010 (Presented by Co Author).

12) ' Concrete Solar Collector – An Integrated Renewable Energy System' in International Conference, ' ICSTIE-2010' held in Penang, Malaysia by UniversitiTeknologi MARA in 16th to 18th Dec 2010. (Presented by Co Author)

13) 'Grape Stalk Brequettes as an alternate feedstock of Biomass Gasifier.' in International

Conference,' ICUE -2011' held by Asian International University, Bangkok in Phuket, Thailand from 28th to 30th Sep 2011. (Presented by Co Author)

14) 'Opportunity of Energy Conservation in Steel Plant.' presented in International Conference in RACE 2012 at Manipal University Udipi ,India from 4th to 6th Jan 2012.

Keynote and Expert Lectures in Various Institutions:

1. Presented keynote lecture on 'Hydraulic Solar Tracker ' in Nov 2013 in FDP in TIT Bhopal
2. Presented keynote lecture on 'Hydraulic Solar Tracker ' in International Conference on 'Renewable Energy' organized by SV University Sagar in Dec 2013.
3. Presented keynote lecture on 'Hydraulic Solar Tracker ' in National leveled Seminar organized by Prestige Instt of Engg&Sc Indore in Feb 2014.
4. Presented keynote lecture on 'Hydraulic Solar Tracker ' in International Conference on Mechanical Engineering in VIT Jaipur in March 2015.
5. Invited as a keynote speaker in International Conference on Green Engineering in Dubai on 25th July 2015.
6. Presented keynote lecture on 'Hydraulic Solar Tracker ' in National Seminar in Renewable Energy in S N P G College Khandwa in Nov 2015.
7. Presented keynote lecture on 'Hydraulic Solar Tracker ' in T S K S Instt of EnggBurhanpur in . April 2016.
8. Presented lecture on 'Research Methodology ' inNilkanth College, Khandwa in Oct 2016.
9. Presented lecture on 'What is an Engineer?' in S N D College of EngineeringYeola in Mar 2019.
10. Presented lecture on 'What is an Engineer?' in Vikrant College of Engg& Management Indore in Aug 2019.
11. Presented keynote lecture on 'Advances in Second Law of Thermodynamics' in Medicaps University, Indore in Oct 2019.
12. Presented lecture on 'Development of Solar Power in India' in Workshop, organized by Ministry of education N Delhi in March 2022.

and many more

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Prof. Dr.Shreekant Tare