

BIO-DATA

Name : SANJAY TUKARAM SATPUTE

Date of Birth : 1st June 1969

Permanent Address:

A/P – Shere
Tal. Karad, Dist. Satara PIN – 415 414.
Phone No. (02164) 269636, Cell: 9890080716, 9422042579
E-mail : stsatpute@rediffmail.com

Correspondence Address:

C-3, Staff Quarters, Abhyantriki Vasahat,
Kapuskhed Naka, Isampur,
Tal. Walwa, Dist. Sangli PIN – 415409

E-Mail : stsatpute@rediffmail.com
: sanjay.satpute@ritindia.edu

Sex : Male

Nationality : Indian

Domicile : Maharashtra

Educational Qualification :

Sr. No.	Course / Degree	College/ University/Institution	Year of Passing	% of Marks Obtained	Result
01	M.E. (Mech.) Engg.	Shivaji University, Kolhapur	2009	66.29 %	I class
02	B.E. (Auto.)	Shivaji University, Kohapur	1994	73.69 %	I class with Dist.

Work Experience:

Sr. No.	Institute	Designation	Status	Pay Scale	Present Basic	Duration		Total Years
						From	To	
01	R.I.T., Sakharale	Associate Professor	Permanent	37400-AGP 9000	37400/-	28/12/11	Till date	
02	R.I.T., Sakharale	Assistant Professor	Permanent	26110-AGP 8000	34110/-	01/08/00	27/12/11	11
03	Inst. Of Engg. & Tech. Malegaon (BK)	Lecturer	Permanent	2200-75-3700	----	14/11/94	31/07/00	6

Membership of Professional Societies / Bodies:

Sr. No.	Professional Society / Body	Membership Class	Membership Number
01	Indian Society for Technical Education (ISTE), New Delhi	Life Member	LM – 34519
02	SAE INDIA	Yearly	7010051377

Awards:

- Won “**Second**” Prize for project competition at DIPEX – 1997.
- Won “**Performance Award 2010-11**” of R.I.T., Sakharale.

Research Projects:

Sr. No	Title	Agency	Period	Amount Mobilized (In Rs.)
1	Modernization of Automotive Electronics & Electronic Systems in Automobile Electrical & Electronics Laboratory	A.I.C.T.E. New Delhi (MODROBS)	2011-12 1 year	6,21,000.00

Present Responsibilities:

- Head, Auto. Engg. Dept. R.I.T., Sakharale
- Chairman, B.O.S., R.I.T., Sakharale
- Member, Academic Council, R.I.T., Sakharale
- Member, Project Evaluation Committee, R.I.T., Sakharale
- Member, Special Cell Standing Committee, R.I.T., Sakharale
- Member, Board of Examination Committee, R.I.T., Sakharale
- Member, Library Committee, R.I.T., Sakharale
- Member, Students Grievances & Redressal Committee, R.I.T., Sakharale
- Member, Syllabus Restructuring Committee of M.S.B.T.E. (Mumbai)
- Member, Syllabus Restructuring Committee of M.S.B.T.E. (Mumbai) PG Auto. Engg.
- Govt. certified Vehicle Surveyor & Loss Assessor
- Member, Research & Development Cell R.I.T
- Member, Abhyantriki Teachers Society R.I.T.
- Member, Teachers Avenue R.I.T.
- Member, ISTE RIT Chapter
- Member, RIT Accreditation Committee

Recognized PG Teacher of Shivaji University, Kolhapur-

1. Automobile Engineering
2. Production Engineering
3. CAD/CAM/CAE

Past Responsibilities:

- Training & Placement Officer
- Member – Syllabus Restructuring Committee of Shivaji University, Kolhapur
- Member, B.O.S. (Board of Studies), Shivaji University, Kolhapur
- Member, 32 (5) Examination, Shivaji University, Kolhapur
- Member, Faculty of Engg., Shivaji University, Kolhapur
- Lab. In Charge – Automobile Power Plant Lab,
- Member – Central Library, R.I.T.
- In Charge – Testing & Consultancy
- SAE INDIA Students Chapter – Faculty Advisor
- Class Monitoring
- College Bus In-Charge
- In Charge – Students Counseling

Publications:**A) Books: (Total - 06)**

1. S. R. Kumbhar, S. T. Satpute, S. D. Yadav, (2012), “**I.C. Engine Testing-Laboratory Experiments**”, Lambert Publishing, Germany, ISBN 978-3-659-20650-4.
2. S. T. Satpute, S. R. Shah, (2000), “**Design & Drawing of Auto Components**”, Nirali Prakashan, Pune, (As per MSBTE curriculum of Third Year Automobile Diploma Course)
3. S. T. Satpute, S. R. Shah, K. M. Pawar, (2000), “**Vehicle Maintenance & Garage Practice**”, Nirali Prakashan, Pune, (As per MSBTE curriculum of Third Year Automobile Diploma Course)
4. S. T. Satpute, K. D. Sapate, M. K. Phadatare, (2002), “**Automobile Engines - I**”, Nirali Prakashan, Pune, (As per MSBTE curriculum of Third Year Automobile Diploma Course)
5. S. T. Satpute, Parab, Patil, (2008), “**Automobile Engines - I**”, Nirali Prakashan, Pune, (As per MSBTE curriculum of Second Year Automobile Diploma Course)
6. S. T. Satpute, Parab, Patil, (2008), “**Automobile Systems - I**”, Nirali Prakashan, Pune, (As per MSBTE curriculum of Second Year Automobile Diploma Course)

B) Papers Presented / Published at National Seminars/Conferences: (Total - 15)

1. D. S. Chinchkar, S. T. Satpute, “Experimentation on Performance of a Castor oil as Future Transmission Lubricant”, International Journal of Automobile Engineering Research and Development (IJAuERD), ISSN 2277-4785, Vol.2, Issue 2, Dec.2012, pp. 23-30.
2. N. R. Kumbhar, S. T. Satpute, “Comparison Of Linear And Nonlinear Half Car Model Active Suspension System Subjected To Harmonic Road Excitations Using Matlab Simulink”, International Journal of Mechanical Engineering, Recent Science Publications. (Accepted for Publication)
3. D. S. Chinchkar, S. T. Satpute, N. R. Kumbhar, “Castor Oil as a Green Lubricant: A Review”, International Journal of Engineering Research & Technology (IJERT), ISSN 2278-0181, Vol. I, Issue V, July 2012, pp. 1-3.

4. Ranavare A.A., Satpute S. T., “Hybrid Electric Vehicles: A Review”, International Journal of Advanced Engineering Research and Studies (IJAERS), E-ISSN 2249-8974, Vol.I, Issue Third, April-June 2012, pp. 87-92.
5. N. R. Kumbhar, S. H. Sawant, S. T. Satpute, Dr. J. A. Tamboli, “An overview of disarray in nonlinear active suspension system under random road excitation with time relay”, International Journal of Modern Engineering Research (IJMER), ISSN 2249-6645, Vol. 2, Issue 1, Jan.-Feb.2012, pp 332-335.
6. Satpute S. T., “Development of Swirl Measurement Test Set-up for Single Cylinder Diesel Engine”, International Journal of Mechanical And Automobile Engineering (IJMAE), ISSN:2249-2968, Sept. 2011, Issue – I, Vol.-II, pp. 65-68.
7. Satpute S. T., Kavade M.V., “Parametric Optimization Of Al Silicon Carbide By Taguchi Method”, International Journal Of Engineering Sciences Research (IJESR), ISSN: 2230-8504; e-ISSN: 2230-8512, Platinum Blue Publishing Corporation, Vol.II, Issue 01, June 2011.
8. Shinde R. M., Satpute S. T., “Finite Element Analysis of Journal Bearing”, International Journal Of Engineering Sciences Research (IJESR), ISSN: 2230-8504; e-ISSN: 2230-8512, Platinum Blue Publishing Corporation, Vol.II, Issue 01, June 2011.
9. Satpute S. T., Kavade M.V. “Parametric optimization of Electro-discharge Machining of Composite Materials by Taguchi approach”. National Conference of Advances Mechanical Engineering-AME 09, Don Bosco Institute of Technology, Mysore Road, Kumbalagodu, Bangalore560074.
10. Satpute S. T., M. V. Kawade, “Parametric Optimization of Composite Material by Using Electric Discharge Machining”, National Conference on Recent Advances on Product & Process Design, organized by R.I.T., Sakharale, during 21 – 22 March, 2009.
11. Satpute S. T., Pawar K.M. “Performance Analysis of C.I. Engine using Jatropha Curcas Oil”, National conference on Green Technology (NCGT-2008), Govt. Polytechnic Nashik. (p.p.253-264)
12. Satpute S. T., More S. N., “Design & Development of Dynamic Vibration Absorber for simply supported beam type Main Vibration system”, Proc. Of National Symposium in Recent Trends in Product Design (RPTD-2006), Textile & Engg. Institute, Ichalkaranji (M.S.), India, 56-61 Sept. 2006.
13. Satpute S. T., Gujar A. J., “Computer Aided Analysis Of Cam Profile & Graphical Simulation Of 3-Axes Milling Operation”, National conference on Trends In Mechanical Engg., (TIME-2003), p.p. 195-197.
14. Satpute S. T., M. S. Rohokale (2004). “Effect of Combined Turning & Burnishing Operation on the Aluminum Component with Lubricants”, Proc. Of National Conference on ‘Recent Trends in CAD/CAM/CAE’ (NCRTC-2004), 21-23 June 2004, R.I.T., Sakharale. (p.p. 2.58 – 2.59)
15. Sapate, K. D., Satpute, S. T. & Dr. Patil, S. H. (2002). “Performance Characteristics and Exhaust Analysis of an Ethanol Blend Gasoline Engine”, Proc. AICTE sponsored National Seminar on “Modern Trends in Automobiles”, (NSMTA 2002), 1 – 2 August 2002, R.I.T., Sakharale, India, 66-70.

16. Satpute, S. T., Patil, S.S. & Darade, P. D. (2002). "Active & Semi-active Vibration Isolation for Comfort in Automobiles", Proc. AICTE sponsored National Seminar on "Modern Trends in Automobiles" (NSMTA 2002), 1 – 2 August 2002, R.I.T., Sakharale, India, 262-270.

Programme Organized:

Sr. No.	Duration	Name of the Coordinator	Title of the Programme	Sponsored by
1	23 rd Sept. 2011	Prof. S. T. Satpute	One Day Workshop on "Curriculum Development of M.E. (Auto.)"	Shivaji University, Kolhapur
2	27 th June to 01 st July 2011	Prof. S.T. Satpute & A.P. Shah	ISTE Approved National Level STTP on "Effective Teaching –Outcome Based Learning in Engineering Education"	I.S.T.E., New Delhi
3	16 th -17 th February , 2011	S.T.Satpute	"Quantum 11" A National level technical paper presentation contest	Bharat Forge
4	28 June to 02 July 2010	S.T.Satpute & D G Thombare	ISTE Approved one week Training Programme on "Advance in Engine and Vehicle Dynamics"	I.S.T.E., New Delhi & Shivaji University, Kolhapur

Conferences / Seminar / Workshops / STTP's Attended :

Sr. No.	Name of Conference / Summer – Winter School	Host Institute	Duration	No. of Days
1.	One week Staff Development Program on "Optimization Techniques used for Engineering Applications" Under TEQIP II	Govt. College of Engg. Karad	17 -21 Dec., 2012	05
2.	One Day Workshop on "New Trends in Curriculum Development"	Shivaji University, Kolhapur and RIT	10 Aug. 2012	01
3.	Two Week ISTE Workshop on "Solar Photovoltaic: Fundamental Technologies and Its applications"	IIT Mumbai, RIT	12 – 22 Dec. 2011	10
4.	Two Days Workshop on "New Criteria for NBA Accreditation"	Gurunanak Inst. Of Tech., Hyderabad	16 th – 17 th Sept. 2011	02
5.	Two days National Conference on "Hypermesh Works"	Altair Ltd., Pune	04 th – 05 th Aug. 2011	02
6.	ISTE Approved National Level short term training Program on "Effective Teaching – Outcome Based Learning in Engineering Education"	R.I.T., Sakharale	27 th June to 01 st July 2011	05
7.	Two Days Training Program on "Writing Effective Research Proposal"	R.I.T., Sakharale	13 th & 14 th December, 2010	02
8.	Two Day Workshop on "Configuring & using learning Management System: MOODLE".	Dept. of I.T., R.I.T., Sakharale	20 – 21 Dec. 2010	02

9.	ISTE Approved short term Training Programme on “ Advances in Engine and Vehicle Dynamics ”	Dept. of Auto. Engg. R.I.T., Sakharale	28th June to 2nd July 2010	05
10.	TEQIP sponsored National Conference on “ Product Design & Process Development ”	Dept. of Mech. Engg., R.I.T., Sakharale	21-22 March 2009	02
11.	AICTE Sponsored Staff Development Programme Plug-in Hybrid Electric Vehicle (PHEV)	PSG Tech. Coimbatore	14-27 December, 2008	14
12.	International Workshop on “ Assessing & Teaching for Learning in Outcomes-Based Engg. Curricula ”	R.I.T., Sakharale	24 – 27 Dec. 2006	04
13.	Faculty Development programme on “ Entrepreneurship Development ”	Dept. of Auto. Engg., R.I.T., Sakharale	11 – 20 Dec. 2006	10
14.	Workshop on “ Effective Communication Skill ”	R.I.T., Sakharale	Nov. 2006	06
15.	TEQIP sponsored one day workshop on “ Welding Processes & Applications ”	Dept. of Mech. Engg., R.I.T., Sakharale	29 July 2006	01
16.	TEQIP sponsored two days workshop on “ Automotive Emission Control Technologies ”	Dept. of Auto. Engg., R.I.T., Sakharale	29 – 30 June 2006	02
17.	Quality Improvement programme on “ Fuels & Combustion Technology ”	IIT, Guhawati	05 – 09 Dec. 2005	05
18.	Training programme on “ Personal Transformation ”	R.I.T., Sakharale	16- 17 Nov. 2005	02
19.	Workshop on “ Curriculum Development for Automobile Engineering ”	Dept. of Auto. Engg., R.I.T., Sakharale	30 Sept. - 01 Oct. 2004	02
20.	AICTE New Delhi sponsored National Conference on “ Recent Trends in CAD/CAM/CAE ”	Dept. of Mech. Engg., R.I.T., Sakharale	21 – 23 June 2004	03
21.	Shivaji University Kolhapur sponsored National Seminar on “ Alternative Fuels for Automobiles ”	Dept. of Auto. Engg., R.I.T., Sakharale	13 th Feb. 2004	01
22.	Workshop on “ Curriculum Development for Automobile Engineering ”	Dept. of Auto. Engg., R.I.T., Sakharale	02 - 03 Jan. 2004	02
23.	AICTE – ISTE New Delhi Sponsored Short Term Training Programme on “ Modern Trends in Automobiles ”	Dept. of Auto. Engg., R.I.T., Sakharale	23 June – 04 July 2003	12
24.	Shivaji University, Kolhapur and ISTE New Delhi Sponsored One Day Workshop on “ Road Safety & Security ”	Dept. of Auto. Engg., R.I.T., Sakharale	15 March 2003	01

25.	AICTE Staff Development programme on “ Mastering the Techniques of Teaching ”	Dept. of Civil Engg., R.I.T., Sakharale	05 May – 17 May 2003	12
26.	AICTE New Delhi Sponsored National Seminar on “ Modern Trends in Automobiles ” (NSMTA 2002)	Dept. of Auto. Engg., R.I.T., Sakharale	1 - 2 Aug. 2002	02
27.	AICTE New Delhi Sponsored National Conference on “ Energy Conservation & Management ” (NCECM 2001)	Dept. of Mech. Engg., R.I.T., Sakharale	11 – 13 June 2001	03

Subjects Taught:

1. Post Graduate :

Sr. No.	Course / Class	Subject	Institute
01	M.E. (Auto.)	Combustion Engineering	R.I.T., Sakharale
02	M.E. (Auto.)	Vehicle Maintenance Management	R.I.T., Sakharale

2. Under Graduate :

Sr. No.	Course / Class	Subject	Institute
01	B.E. (Auto.)	Automobile Dynamics	R.I.T., Sakharale
02	B.E. (Auto.)	Automobile Systems	R.I.T., Sakharale
03	B.E. (Auto.)	Transport Management	R.I.T., Sakharale
04	B.E. (Auto.)	Automobile Systems	R.I.T., Sakharale
05	B.E. (Auto.)	Automobile Power Plant	R.I.T., Sakharale
06	T.E. (Auto.)	Automobile Chassis – I & II	R.I.T., Sakharale
07	T.E. (Auto.)	Automobile Engine – I & II	R.I.T., Sakharale
08	T.E. (Mech.)	Theory of Machines - II	R.I.T., Sakharale
09	T.E. (Mech.)	Steam Power Engg.	R.I.T., Sakharale
10	T.E. (Mech.)	Heat Transfer	R.I.T., Sakharale
11	S.E. (Mech.)	Applied Thermodynamics	R.I.T., Sakharale
12	S.E. (Mech.)	Theory of Machines - I	R.I.T., Sakharale
13	B.E. (Auto.)	Automobile Systems	R.I.T., Sakharale
14	T.E. (Auto.)	Metrology & Quality Control	R.I.T., Sakharale
15	B.E. (Mech)	I.C. Engine	R.I.T., Sakharale
16	F.E.	Engg. Graphics	R.I.T., Sakharale
17	F.E.	Basic Mechanical Engineering	R.I.T., Sakharale
18	B.E. (Auto.)	Operation Research	R.I.T., Sakharale

3. Diploma :

Sr. No.	Course / Class	Subject	Institute
1	T.Y. (Auto.)	Transport Management & Motor Industry	I.T.E., Malegaon
2	T.Y. (Auto.)	Design & Drawing of Auto Components	I.T.E., Malegaon
3	T.Y. (Auto.)	Vehicle Maintenance & Garage Practice	I.T.E., Malegaon
4	S.Y. (Auto.)	Automobile Chassis – I	I.T.E., Malegaon
5	T.Y. (Auto.)	Automobile Chassis – II	I.T.E., Malegaon
6	T.Y. (Auto.)	Automobile Engines – II	I.T.E., Malegaon
7	F.Y. (Auto.)	Engineering Drawing	I.T.E., Malegaon

PG Projects Guided / Completed:

- PG 01 Dissertation Completed, 06 ongoing

Lab. Development:

- Increased the laboratory investment from Rs. 14 lakhs to 25 lakhs
- Development in-house test rig of Swirl measurement
- Well equipped & with all facilities leading to research & testing with consultancy
- **Revenue generated through lab. Approx. Rs. 25,000.00**
- **Taken special efforts for getting donation from ARAI, Pune costing Rs. Approx. Rs. 4.0 lakhs**
- Development in-house test rig of Two Wheeler Engine Testing.
- Purchased Computerized Multicylinder Diesel Engine Test Rig.

Organized One day Workshop on “Road Safety & Security”, 15 March, 2003.

Organized One day Training Workshop on “Engine”, by Mahindra & Mahindra Ltd. Zahirabad 17 Jan, 2008.

Attended Two Days Training on “Automotive Training and Development System”, 10 – 11 May 2012, Dynalog India Limited, Pune.

Organizing Committee Member :

- AICTE, New Delhi sponsored National Seminar on “Modern Trends in Automobiles” (NSMTA 2002), organized by Dept. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) during August 01 – 02, 2002.
- AICTE – ISTE, New Delhi sponsored Short Term Training Programme on “Modern Trends in Automobiles”, organized by Depst. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) during June 23 – July 04, 2003.
- TEQIP sponsored Short Term Training Programme on “Finite Element Applications”, organized by Depst. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) during Feb. 10 – Feb. 14, 2009.

Expert Lectures:

- “I. C. Engine” at College of Engg. Pandharpur.
- “Vehicle Maintenance & Garage Practice” at Sahyadri Polytechnic, Sawarde
- “I. C. Engine” at College of Engg. Malegaon Bk. Baramati
- “I. C. Engine” at Govt. College of Engg. Karad.
- “Design & Drawing of Auto Components” at College of Engg. Malegaon Bk. Baramati
- “Advances in I.C. Engines”, Dr. Bapuji Salunkhe Institute of Technology Kolhapur.
- “Advanced Ignition Systems”, Institute of Technology & Engg. Malegaon (BK)
- “Engineers Day”, K.B.P. Jr. College, Islampur

UG Projects Completed under the guidance:

- Regenerative Braking System
- Four wheel drive system in Two wheeler
- Air filtration unit for Rajarambapu Sugar Industry
- Swirl air measurement unit
- Chain tensioning adjustment unit at Bajaj Auto Ltd., Pune
- Modern Vacuum Engine

- Micro Controller based Auto vehicle parameter monitor
- Hovercraft
- Sensotronic Gear Indicator
- Sterling Engine
- Microcontroller based fuel injection system for two wheeler engine
- Performance Analysis of C.I. Engine using Jatropha Curcas Oil
- Development test rig of Two Wheeler Engine Test rig.
- Four Wheel Steering System
- Automatic Tyre Changer
- Performance Analysis of C.I. Engine using Karanja Oil
- Problem of chain tensioner in Bajaj two wheelers sponsored by Bajaj Auto Ltd.